FP7 Web Server Function Manual

Edition corresponding to Web Creator Ver.2.0.0

09.29, 2015

Table of Contents

1.	Fun	nction Specifications1-1		
	1.1 Use	Product Co 1-2	nfiguration of FP7 Web Server Function and Pre	cautions for
	1.2	Precautions	s for Using FP7 Network Function	1-4
2. Web Server Function		2-1		
	2.1	Overview o	f Web Server Function	2-2
		2.1.1 Туре	s of Web Server	2-2
		2.1.2 Perfo	ormance of Web Server	2-2
	2.2	Method of (Connecting to Web Server	2-3
		2.2.1 Spec	ification Method on Browser	2-3
		2.2.1.1	Method by specifying IP address	2-3
		2.2.1.2	Method by Specifying Name (Server Name)	2-3
	2.2.2 Inheritance of Host Address of Customer Web Contents2.2.3 Connecting via Local Network		2-4	
			2-6	
2.2.3.1 Connecting to One FP7 Unit2.2.3.2 Connecting to Multiple FP7 Units		2-6		
		2-7		
		2.2.4 Conr	necting via Global Network	2-8
		2.2.4.1	Connecting to One FP7 Unit (1)	2-8
		2.2.4.2	Connecting to One FP7 Unit (2)	2-10
		2.2.4.3	Connecting to Multiple FP7 Units	2-12
		2.2.5 Conr	nection Using SSL	2-14
		2.2.5.1	Restrictions on SSL Communication	2-14
		2.2.5.2	Connecting via Local Network	2-14
		2.2.5.3	Connecting via Global Network	2-16
	2.3	FP7 Custor	ner Web	2-18

		2.3.1	Outline of Method of Using FP7 Customer Web	2-18
3.	Inst	alling	g Web Creator	3-1
	3.1	Metho	od of Installing Web Creator	3-2
	3.2	Folde	r Structure of Web Creator	3-5
4.	Ove	erviev	v of Web Creator	4-1
	4.1	Overv	view of Web Creator	4-2
	4.2	Prese	etting Before Starting Web Creator	4-5
	4.3	How t	to Start Web Creator	4-7
	4.4	Proje	ct Folder	4-8
		4.4.1	Creating Project Folder at Startup	4-8
		4.4.2	Specifying Existing Project Folder at Startup	4-11
		4.4.3	Acquring Project from PLC at Startup and Editing It	4-13
		4.4.4	Creating Project Folder from Operation Menu	4-15
		4.4.5	Specifying Project Folder from Operation Menu	4-18
	4.5	Proje	ct Management	4-20
		4.5.1	Configuration of Project Data	4-20
		4.5.2	Project Setting	4-21
		4.5.3	Creating Groups	4-23
		4.5.4	Creating Screens	4-25
		4.5.5	Importing Screens from Other Projects	4-27
		4.5.6	Upload	4-29
		4.5.7	Download	4-31
		4.5.8	Message Setting (Multiple Languages)	4-32
	4.6	Scree	en Editing	4-35
		4.6.1	Open	4-35
		4.6.2	Screen Creation	4-37
		4.6.3	Presetting for Test	4-39

	4.6.	4 Scr	een Test	4-40
	4.6.	5 File	Storage	4-41
	4.6.	6 Scr	een Setting	4-42
	4.6.	7 Fur	ctions of Web Parts	4-43
		4.6.7.1	Common Functions to Web Parts	4-43
		4.6.7.2	Multilingualization of Parts Display	4-43
		4.6.7.2	1 Method of Specifying Character Size Larger Than 100 px	4-44
		4.6.7.3	Functions of Major Web Parts	4-45
		4.6.7.3	1 Slider Parts	4-45
		4.6.7.3	2 Rotary Switch Parts	4-46
		4.6.7.3	3 Dialog Parts	4-48
		4.6.7.3	4 Meter Parts	4-50
		4.6.7.3	5 Extended Graph Parts	4-53
		4.6.7.3	6 Data Parts	4-54
		4.6.7.3	7 Media Player Parts	4-57
		4.6.7.3	8 Camera Parts	4-59
		4.6.7.3	9 Text Parts	4-62
		4.6.7.3	10 Shapes Parts	4-63
	4.6.	8 Fur	ctions of Web Creator	4-66
		4.6.8.1	Server Certificate Setting	4-66
		4.6.8.1	1 Setting Server Certificate in PLC	4-66
		4.6.8.1	2 Deleting Server Certificate Information from PLC	4-69
		4.6.8.1	3 Registering Root Certificate in PC	4-72
		4.6.8.2	Security Setting	4-75
		4.6.8.3	Banner Setting	4-78
		4.6.8.4	PDF Screen Setting	4-81
		4.6.8.5	Page Switch Setting	4-85
		4.6.8.6	Screen Number Notification Setting	4-87
		4.6.8.7	Fine Adjustment Function of Part Arrangement	4-89
		4.6.8.8	Function for Confirming Content Size	4-89
		4.6.8.9	Multi-language Switching Function of Web Creator	4-90
		4.6.8.1) Monitor Function	4-91
4.7	Exe	cution	Method	4-92
4.8	Met	hod of	Closing Web Creator	4-93

	4.9	Types of Web Parts and Descriptions of Properties	1-94
5.	Ove	rview of FP7 System Web	5-1
	5.1	Overview of FP7 System Web	5-2
	5.2	Login Screen	5-3
	5.3	CPU status indication > Model information Screen	5-4
	5.4	CPU status indication > Operation state Screen	5-5
	5.5	CPU status indication > Project header Screen	5-13
	5.6	CPU status indication > System monitor area Screen	5-14
	5.7	CPU status indication / System history Screen	5-24
	5.8	CPU status indication / EtherNet/IP monitor	5-27
	5.9	Error indication > Unit error Screen	5-30
	5.10	Error indication > Error alarm relay Screen	5-32
	5.11	Data monitor Screen	5-33

Changes in Web Creator Ver.2.0.0

The following items have been modified to improve the easy usability of Web Creator. For the contents of the changes in Web Creator Ver.2.0.0, refer to the following descriptions.

* For using a project created by the version of Web Creator earlier than Ver.2.0.0, save and upload it by the Web Creator Ver.2.0.0.

1) Extensi 2-1) New With 2-2)) 2-3)) 2-4)) 2-5)) 2-6)) 2-7)) 3-1) Improve 3-2)) 3-3)) 4-1) New fur 4-3))	ons of Web Server eb parts and functions	Expansion of contents capacity Network camera interlocking parts Madia player parts
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2-5) 2-6) 2-7) 3-1) Improve 3-2) 3-3) 4-1) New fur 4-2) 4-3)		Shapes parts
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2-7) 3-1) Improve 3-2) 3-3) 4-1) New fur 4-2) 4-3)		Rotary switch parts
3-1) Improve 3-2) 3-3) 4-1) New fur 4-2) 4-3)		Dialog parts
3-2) 3-3) 4-1) New fur 4-2) 4-3)	ement of existing Web parts	Data parts
3-3) 4-1) New fur 4-2) 4-3)		Text parts
4-1) New fur 4-2) 4-3)		Improvement of meter parts
4-2)	nctions common to Web parts	Multi-language label editor function
4-3)		Adjustment function of transparency
,		Preview function of choices
4-4)		Expansion of character size
5) PDF sc	reen display function	Display function of PDF files
6-1) Project	setting function	Improvement of security function
6-2)		Banner setting function
6-3)		PLC screen switching function
6-4)		PLC screen number notification function
7-1) Extensi	ons of Web Creator	Fine adjustment function of part arrangement
7-2)		Content size confirmation function
7-3)		Server certificate setting function
7-4)		Multilingualization of tool (Japanese, English)
8) Improve browse	ement of the monitoring function by r	Monitor function
9-1) Improve parts	ement of the operation of existing	Message parts
9-2)		

■ List of the changes in Web Creator Ver.2.0.0

For details, refer to the following contents.

1) Extensions of Web Server

• The capacity of the contents usable for FP7 has ben expanded to **13.83 MB**. * 13.83 MB = 14,503,936 bytes

FP7 CPU unit: Ver.4.10 or later (It can be used in Ver.3.40 to 3.99.) Web Creator: Ver.2.0.0 or later

* When using 13.83 MB, there is a restriction on the version of the FP7 CPU unit. If either version is older, only up to **6.86 MB** can be used.

For details, refer to 2.2 Performance of Web Server.

2) New Web parts and functions

• New six parts have been added.

No	New parts name	Features
1	Network camera interlocking parts	Supports displaying images of supported cameras manufactured by Panasonic.
		Cameras capable of using this function are as follows.
		Network cameras manufactured by Panasonic
		BB - SP104W / ST162A / SC384A
		SW174WA / SW175A / SW172A
		WV - SF135 / SF138 / SW155 / SW158
		4.6.7.3.8 Camera Parts
2	Media player parts	Moving image files can be played/controlled.
		The supported file formats are MP4, OGV, and WEBM.
		4.6.7.3.7 Media Player Parts
3	Extended graph parts	A maximum of 32 graphs can be displayed simultaneously, and 10000 data can be displayed.
		4.6.7.3.5 Extended Graph Parts
4	Shapes parts	•The lamp and switch functions can be set for shapes parts.
		"Arc" and "Fan shape" parts are also selectable.
		 Arrows can be specified for the start and end points of "Line" parts.
		4.6.7.3.10 Shapes Parts
5	Slider parts	Parts that can be operated by sliding.
		4.6.7.3.1 Slider Parts
6	Rotary switch parts	Parts that can be operated by rotary switches.
		4.6.7.3.2 Rotary Switch Parts
7	Dialog parts	Supports the display of a dialog box. Displaying or hiding a dialog box can be controlled by setting a trigger.
		4.6.7.3.3 Dialog Parts

3) Improvement of existing Web parts

• Existing Web parts have been improved.

No	New parts name	Features
1	Data parts	·Besides numerical numbers, character strings can be monitored/input.
		It supports both one-byte and double-byte character strings.
		Integer data can be monitored as decimal data.
		 Input data exceeding the upper limit of input cannot be entered according to data type.
		 Display colors can be changed according to acquired values by setting the thresholds of upper and lower limits.
		4.6.7.3.6 Data Parts
2	Text parts	Displayed character strings can be directly input on Web parts.
		4.6.7.3.9 Text Parts
3	Improvement of meter parts	For some meters, the minimum and maximum hold values, the areas of low, middle and high ranges, and color settings can be specified.
		4.6.7.3.4 Meter Parts

4) New functions common to Web parts

No	New parts name	Features
1	Multi-language label editor function	Multi-language information can be set in text sentence displayed for Web parts.
		By setting multi-language information prepared in the message definition in advance to each part, multi-language display becomes possible for each Web parts.
		4.6.7.1 Common Functions to Web Parts
2	Adjustment function of	Transparency can be specified for the color setting of web parts.
	transparency	By setting the transparency, the background can be displayed translucently.
		4.6.7.3.10 Shapes Parts
3	Preview function of choices	For some setting items related to design, the design can be confirmed from each setting item.
		4.6.7.3.1 Slider Parts
4	Expansion of character size	Character size can be specified up to 4000 px.
		4.6.7.2.1 Method of Specifying Character Size Larger Than 100 px

5) PDF screen display function

• PDF files can be specified as screens.

No	New parts name	Features
1	Display function of PDF files	Particular screens can be set as display screens dedicated for PDF.
		4.6.8.4 PDF Screen Setting

6) Project setting function

No	New parts name	Features
1	Improvement of security function	Sixteen stages of password setting can be set for each screen.
		By setting the security level of each web part, a display/non- display state of each part can be switched according to the password used for login.
		4.6.8.2 Security Setting
2	Banner setting function	Banners can be created and displayed in screens.
		4.6.8.3 Banner Setting
3	PLC screen switching function	Screens can be switched according to the screen specification of PLC.
		4.6.8.5 Page Switch Setting
4	PLC screen number notification function	The page number displayed on a browser on completion of the screen display can be notified to PLC.
		4.6.8.6 Screen Number Notification Setting

• The following functions have been added to the project setting function.

7) Extensions of Web Creator

• New seven functions have been added.

No	New parts name	Features
1	Fine adjustment of part arrangement	Web parts can be moved (finely adjusted) with the cursor keys of a keyboard ($\uparrow\downarrow \leftrightarrow \rightarrow$).
		A larger movement is possible by operating the cursor keys together with the Shift key.
		4.6.8.7 Fine Adjustment Function of Part Arrangement
2	Content size confirmation function	The capacity of the web content currently created can be confirmed.
		4.6.8.8 Function for Confirming Content Size
3	Server certificate setting function	SSL communication is possible between a PC and PLC by setting a server certificate in the PLC.
		4.6.8.1 Server Certificate Setting
4	Multilingualization of tool (Japanese, English)	The display language of Web Creator is selectable from Japanese or English.
		4.6.8.9 Multi-language Switching Function of Web Creator

- 8) Improvement of the monitoring function by browser (4.6.8.10 Monitor Function)
- The displays of contents are updated even if a browser is not active.

9) Improvement of the operation of existing parts

- Corrected the error that character strings displayed for message parts are dislocated.
- Corrected the error that the contents registered in Messages & Translations cannot be edited.

1 Function Specifications

1.1 Product Configuration of FP7 Web Server Function and Precautions for Use

■ FP7 CPU unit: Web server function

The following contents can be monitored in a browser.

System Web: The FP7 system web is a content prepared for the FP7 CPU unit as standard.

Customer Web: Contents that customers create using the Web Creator can be uploaded.

For using the Web server function, use the following versions.

•FP7 CPU: Ver.4.10 or later (It can be used in Ver.3.40 to 3.99.)

·Web Creator: Ver.2.0.0 or more

- FPWIN GR7: Ver.2.60 or more
- * For using the Web Creator Ver.2.0.0 or later, use the FP7 CPU unit Ver.4.10 or later.

■ Control Web Creator (AFPSWC)

This is software for creating, saving, uploading, and downloading contents of the customer Web.

Precautions for use

- For using the Web Creator, it is necessary to insert the key unit (AFPSWCKEY) to a PC.
- If the key unit is not inserted, the Web Creator cannot be started or used.
- The Web creator cannot be started from the remote drive.
- The Web Creator can be activated with Windows7/8 (32-bit/64-bit) only.
- For uploading data to the Web server or testing, connect it to the FP7 CPU unit using Ethernet.
- Use a cross cable for connecting them directly, and use a straight/cross cable for connecting them via a hub.
- Avoid conflict with the communication of GR7.
- When uploading/downloading to the Web server, the default is the port 32769 of the system connection.

Web brows	ers accessib	le to the	Web server
-----------	--------------	-----------	------------

OS	Supported browser	
Windows	Google Chrome	
	 Mozilla Firefox 	
	·Opera	
	Internet Explorer	
OS X	•Safari	
	Google Chrome	
	Mozilla Firefox	
iOS	•Safari	
	Google Chrome	
Android	Google Chrome	

*1: Windows, Windows7, 8, and Internet Explorer are trademarks or registered trademarks of Microsoft Corporation in the United States and/or other countries.

Google Chrome and Android are registered trademarks of Google Inc..

Safari and OS X are trademarks or registered trademarks of Apple Inc. in the United States.

iOS is a trademark or registered trademark of Cisco in the United States and/or other countries.

Firefox is a registered trademark of Mozilla Foundation in the United States and/or other countries.

Opera is a trademark or registered trademark of Opera Software ASA.

*2: Use the latest versions of OS and browser. In case of old models, the latest version of browser may not be activated.

1.2 Precautions for Using FP7 Network Function

Precautions concerning network

There is the risk of suffering following damage as this unit can be used connecting to the network with the Web server function or FTP server function

- (1) Information leakage through this unit
- (2) Illegal operations of this unit by a malicious third party
- (3) Obstructing or stopping this unit by a malicious third party

Sufficient network security measures should be taken using the system configuration as follows at your own risk to prevent such damages.

Recommended network topology

It should be the connection system using a local IP address on a dedicated line network (including a virtual network).

Use SSL communication between a browser and the FP7 Web server to enhance security more.

For making the SSL setting, upload the server certificate to the FP7.

For details of the setting method, refer to 4.6.8.1 Server Certificate Setting.

When using the SSL communication for accessing the FTP server or Web server of the FP7, use the products of the following versions.

FP7 CPU unit: Ver.4.10 or later (It can be used in Ver.3.40 to 3.99.) Web Creator: Ver.2.0.0 or more

1. For using VPN (Virtual Private Network)

Install the FP7 under the environment in which a virtual dedicated line network is built via WAN.

It is recommended to use the FP7 through a FW (firewall).

Furthermore, it is recommended to use the SSL communication.



2. For using dedicated line network (Private Network)

Install the FP7 under the environment in which a dedicated line network is built. It is recommended to use the FP7 through a FW (firewall). Furthermore, it is recommended to use the SSL communication.



2 Web Server Function

2.1 Overview of Web Server Function

2.1.1 Types of Web Server

The following two types of Web server functions are available.

FP7 Customer Web

Screen (contents) designed by the Web Creator can be uploaded and monitored.

■ FP7 System Web

This is a content stored in the FP7 CPU unit as a standard. It cannot be edited.

For using the web server function, it is necessary to make the following settings in Built-in ET-LAN of FP7 Configuration.

- Setting the Add-on to "Use".
- Setting the Web Server function to "Use System Only", "Use Customer Only", or "Use System and Customer".
- Setting the time zone for the SNTP setting, e.g.: For Japan, +0900

2.1.2 Performance of Web Server

About the performance of the web server

Number of concurrent accesses

Up to 16 sessions can be accessed simultaneously.

Size of storable contents

The size of storable contents is up to 13.83 MB.

* 13.83 MB = 14,503,936 bytes

For using the capacity of contents up to 13.83 MB, update the version of each software to the versions below or later.

FP7 CPU unit: Ver.4.10 or later (It can be used in Ver.3.40 to 3.99.)

Web Creator: Ver.2.0.0 or later

* If either one of them is an older version, the capacity of storable contents is only used up to **6.86 MB**.

* For using the Web Creator Ver.2.0.0 or later, use the FP7 CPU unit Ver.4.10 or later.

For confirming the current content size, refer to 4.6.8.8 Function for Confirming Content Size.

2.2 Method of Connecting to Web Server

2.2.1 Specification Method on Browser

The web server uses port number 80. This port number cannot be changed.

The following two methods are available for connecting to the web server.

2.2.1.1 Method by specifying IP address

Specify the following addresses on the browser.

<For FP7 customer web>

•When Index.html (initial screen) exists in the FP7 customer web.

IP Address

Example) 192.168.1.210

http://192.168.1.210/cu/index.html is displayed.

·When specifying the FP7 customer web URL

IP address/cu/sample.html

Example) 192.168.1.210/cu/sample.html

http://192.168.1.210/cu/sample.html is displayed.

<For FP7 system web>

IP address/sys/

Example) 192.168.1.210/sys/

http://192.168.1.210/sys/index.html is displayed.

2.2.1.2 Method by Specifying Name (Server Name)

1) Method of registering in Windows

Edit the file "hosts" under the folder "C:\Windows\System32\drivers\etc", and add an IP address and server name.

Example) Web server: 192.168.1.210

Server name: www.fp7webserver.com

Add the next line at the bottom line of the file "hosts" and save.

192.168.1.210 www.fp7webserver.com # FP7 Server

* Only the administrator can edit "hosts".

2) For using DNS

Example) http://www.fp7webserver.com/cu/index.html

2.2.2 Inheritance of Host Address of Customer Web Contents

An IP address is specified on a browser for connecting to the customer web.

This IP address is inherited for each screen group, screen, and web part.

Separate host adresses can be set for each screen group, screen, and web part. The default is the common setting. Normally, you can use the default setting as is.

For connecting to another web server by individual screen or web part, specify an IP address other than the common setting.

The setting priority of the host address is as follows.

(Low) Project setting < Screen group setting < Screen setting < Web parts (High)

For the common setting, a next higher priority setting is applied.

[Concrete example of host address inheritance]



Group	Screen	Web part	Data acquisition destination
Screen group 1	Screen 1	Web part 1	IP address specified on a
(Common setting)	(Common setting)	(Common setting)	browser
		Web part 2	Specified address of Web part 2
		(Host is specified)	(192.168.1.238)
	Screen 2	Web part 3	Specified address of screen 2
	(Host is specified)	(Common setting)	(192.168.1.237)
		Web part 4	Specified address of Web part 4
		(Host is specified)	(192.168.1.238)
Screen group 2	Screen 3	Web part 5	Specified address of group 2
(Host is specified)	(Common setting)	(Common setting)	(192.168.1.236)
		Web part 6	Specified address of Web part 6
		(Host is specified)	(192.168.1.238)
	Screen 4	Web part 7	Specified address of screen 4
	(Host is specified)	(Common setting)	(192.168.1.237)
		Web part 8	Specified address of Web part 8
		(Host is specified)	(192.168.1.238)

The data acquisition destinations of the above-mentioned web parts are as follows.

2.2.3 Connecting via Local Network

2.2.3.1 Connecting to One FP7 Unit



[Preparation 1] An IP address is allocated to the FP7 CPU unit.

Set the default gateway to "0.0.0.0".

[How to specify an address]

1. Specification method on a browser

Specify the IP address of the FP7 CPU unit.



The FP7 web server uses port number 80.

It can be omitted when connecting with the port number 80.

2. Host address setting for screen group, screen, and web parts

When acquiring contents from the unit 1 and monitoring data of the unit 1 only, there is no need to change the default common setting of the host address referred by each screen group, screen, and web part.

∃ common paramete	rs	
∃device		
host address	Global settir	ngs
network protocol	Global setti	ngs 🔻
switch read device	type device type No.	Global • DT,n • 0
switch write device	type device type No.	Global • DT,n • 0

Setting example of a web part



2.2.3.2 Connecting to Multiple FP7 Units

Example) When connecting to the unit 1 from browser, downloading contents, and monitoring the unit 2 from that web part (This type of connection method is called a cross-domain connection.)

[Preparation 1] Allocate IP addresses to the FP7 CPU units.

Set the default gateways to "0.0.0.0".

[How to specify addresses]

1. Specification method on a browser

Specify the IP addresses of the FP7 CPU units.

New Tab	×	
← → C	http://192.168.1.236	=

2. Host address setting for screen group, screen, and web parts

Set the IP address of the unit 2 to the host address of a web part connected to the FP7 CPU (unit 2).

common parameters				
🗆 device				
host address	192.168.1.2	37		IP address of the unit 2
network protocol	Global setti	ngs	-	
lamp status	type device type No.	Global DT,n 0	▼▼	
lamp status mode	а		•	

Setting example of a web part

2.2.4 Connecting via Global Network

2.2.4.1 Connecting to One FP7 Unit (1)



[Preparation 1] Allocate an IP address to the FP7 CPU unit.

For the default gateway setting of the FP7, specify the IP address on a LAN side of a router which performs address conversion. Communication cannot be performed properly without this setting.

[Preparation 2] Set a broadband router.

- ·Use a router having the NAPT function of destination address.
- ·Set an IP address on a LAN side.
- ·Set an IP address on a WAN side. (such as a global IP address or URL)
- •The destination NAT table of the router is set as follows.

Setting on WAN side Setting on LAN side

Port No. 80 : IP address of FP7 CPU unit 1 + Port No. 80

Concrete setting example

NAT Table	- <u>_</u> ?				
Group	IP address of WAN	Protocol		IP address of LAN	Port number of LAN
Group1	WAN IP address	HTTP(TCPPort:80)	<>	192.168.1.236	HTTP(TCPPort:80)

Note)

Do not use the DMZ (demilitarized zone) setting for security reasons.

[How to specify an address]

1. Specification method on a browser (Specifying an IP address)

An IP address on a WAN side of a router or a fixed private IP address of VPN is specified in the format of "IP address on WAN side of router: Port No.".

Concrete example:

For connecting to the unit 1: IP address on the WAN side of the router



It can be omitted when connecting with the port number 80.

2. Specification method on a browser (2) (When using DNS)

It is specified in the format of "URL of the router: Port No.".

ĺ	New Tab	×	
	← ⇒ C	http://panasonic-webserver.com	Ξ

It can be omitted when connecting with the port number 80.

3. Host address setting for screen group, screen, and web parts

When acquiring contents from the unit 1 and monitoring data of the unit 1 only, there is no need to change the default common setting of the host address referred by each screen group, screen, and web part.

E common paramete	rs	
∃ device		
host address	Global settir	ngs
network protocol	Global setti	ngs 💌
switch read device	type device type No.	Global 💌 DT,n 💌 0
switch write device	type device type No.	Global 💌 DT,n 💌 0

Setting example of a web part

2.2.4.2 Connecting to One FP7 Unit (2)

Connecting to an FP7 using a port number other than 80



[Preparation 1] An IP address is allocated to the FP7 CPU unit.

For the default gateway setting of the FP7, specify the IP address on a LAN side of a router which performs address conversion. Communication cannot be performed properly without this setting.

[Preparation 2] Set a broadband router.

- ·Use a router having the NAPT function of destination address.
- •Set an IP address on a LAN side.
- ·Set an IP address on a WAN side. (such as a global IP address or URL)

•The destination NAT table of the router is set as follows.

Setting on WAN side Setting on LAN side

- Port No. 80 : IP address of network camera + Port No. 80
- Port No. 81 : IP address of FP7 CPU unit 1 + Port No. 80

Concrete setting example

NAT Table	- 22				
Group	IP address of WAN	Protocol		IP address of LAN	Port number of LAN
Group1	WAN IP address	HTTP(TCPPort:80)	<>	192.168.1.222	TCPPort:80
Groupi	WAN IP address	TCPPort:81	>	192.168.1.236	TCPPort:80

[How to specify an address]

1. Method of specifying an address by browser (Specifying an address)

An IP address on a WAN side of a router or a fixed private IP address of VPN is specified in the format of "IP address on WAN side of router: Port No.".

Concrete example:

For connecting to the unit 1: IP address on the WAN side of the router: 81



2. Specifications method on a browser (2) (When using DNS)

It is specified in the format of "URL of the router: Port No.".

New Tab	×	
$\leftarrow \rightarrow \mathbf{C}$	http://panasonic-webserver.com:81	=

3. Host address setting for screen group, screen, and web parts

When acquiring contents from the unit 1 and monitoring data of the unit 1 only, there is no need to change the default common setting of the host address referred by each screen group, screen, and web part.

The address inherited in the common setting is the "Address on the WAN side: Port No." entered in the browser.

∃ common parameters				
⊟ device				
host address	Global settir	igs		
network protocol	Global settings 🔹			
switch read device	type device type No.	Global 💌 DT,n 💌 0		
switch write device	type device type No.	Global V DT,n V 0		

Setting example of a web part

2.2.4.3 Connecting to Multiple FP7 Units

For monitoring the unit 2 with web parts of contents stored in the unit 1 athough acessing the unit 1 from a browser



[Preparation 1] IP addresses are allocated to the FP7 CPU units.

For the default gateway setting of the FP7 units, specify the IP address on a LAN side of a router which performs address conversion. Communication cannot be performed properly without this setting.

[Preparation 2] Set a broadband router.

- ·Use a router having the NAPT function of destination addresses.
- •Set an IP address on a LAN side.
- ·Set an IP address on a WAN side. (such as a global IP address or URL)
- •The destination NAT table of the router is set as follows.

Setting on WAN side Setting on LAN side

- Port No. 80 : IP address of FP7 CPU unit 1 + Port No. 80
- Port No. 81 : IP address of FP7 CPU unit 2 + Port No. 80

Concrete setting example

NAT Table 🗷

Group	IP address of WAN	Protocol		IP address of LAN	Port number of LAN
Group1	WAN IP address	HTTP(TCPPort:80)	<>	192.168.1.236	TCPPort:80
	WAN IP address	TCPPort:81	>	192.168.1.237	TCPPort:80

[How to specify addresses]

1. Specification method on a browser

An IP address on a WAN side of a router or a fixed private IP address of VPN is specified in the format of "IP address on WAN side of router: Port No.".

Concrete example:

For connecting to the unit 1: IP address on the WAN side of the router



It can be omitted when connecting with the port number 80.

2. Host address setting for screen group, screen, and web parts

Set "IP address on the WAN side: Port No. regsitered in the NAT table" to the host address of a web part connected to the FP7 CPU (unit 2).

5 common paramete	, I J		
3 device			IP address on the WAN side:
host address	123.234.111.222:81		Port No. registered in the NAT
network protocol	Global setti	ngs 🔻	
lamp status	type device type	Global 💌 DT,n 💌	
lamp status mode	a		

Note)

When a test operation is performed by the Web Creator in a local environment, it cannot communicate with the unit 2 if the IP address on the WAN side is specified for the host address.

For a test operation, set the host address to "IP address of the unit 2: Port No. 80".

For details of the test method, refer to "4.6.4 Screen Test".

2.2.5 Connection Using SSL

2.2.5.1 Restrictions on SSL Communication

	FP7 A	FP7 B	
SSL setting	N/A	N/A	Usable (Refer to the previous chapter.)
A: Available	N/A	А	This combination is not usable.
N/A: Not	А	N/A	This combination is not usable.
available	А	А	Usable

2.2.5.2 Connecting via Local Network



Example) When connecting to the unit 1 from a browser, downloading contents, and monitoring the unit.2 from that web part

(This type of connection method is called a cross-domain connection.)

[Preparation 1] IP addresses are allocated to the FP7 CPU units.

Set the default gateways to "0.0.0.0".

[Preparation 2] Set server certificates for the FP7 CPU units.

Server certificates can be set from the Web Creator.

For details, refer to "4.6.8.1.1 Setting Server Certificate in PLC".

[Preparation 3] Register a root certificate in a PC.

Register a root certificate that is issued by the publisher of the server certificate registered in the FP7 CPU unit in the PC.

Without the root certificate, a content screen is not displayed even when connecting to the FP7 CPU unit.

For details, refer to "4.6.8.1.3 Registering Root Certificate in PC".

[How to specify addresses]

1. Specification Method on Browser

Specify https and the IP addresses of the FP7 CPU units.

Concrete example:

For connecting to the unit 1: https://IP address of the unit 1



The SSL communication uses the port number 443, however, it can be omitted.

2. Host address setting for screen group, screen, and web parts

Set the IP address of the unit 2 to the host address of a web part connected to the FP7 CPU (unit 2).

□ device					
host address	192.168.1.237			IP address of the unit 2	
network protocol	Global settings		-		
lamp status	type device type No.	Global DT,n 0	▼		
lamp status mode	а		-		

Setting example of a web part





[Preparation 1] IP addresses are allocated to the FP7 CPU units.

For the default gateway setting of the FP7, specify the IP address on a LAN side of a router which performs address conversion. Communication cannot be performed properly without this setting.

[Preparation 2] Set a broadband router.

- ·Use a router having the NAPT function of destination addresses.
- ·Set an IP address on a LAN side.
- ·Set an IP address on a WAN side. (such as a global IP address or URL)
- •The destination NAT table of the router is set as follows.

Setting on WAN side	Setting on LAN side				
Port No. 443	: IP address of FP7 CPU unit 1 + Port No. 443				
Port No. 444	: IP address of FP7 CPU unit 2 + Port No. 443				
Note) When using a port number other than 443, use an unused port.					

Concrete setting example

NAT Table 🧷					
Group	IP address of WAN	Protocol		IP address of LAN	Port number of
	WAN IP address	TCPPort:443	<>	192.168.1.210	TCPPort:44
FP/WebSSL	WAN IP address	TO PPort: 444	>	192 168 1 220	TCPPort:44

LAN

[Preparation 3] Set server certificates for the FP7 CPU units.

Server certificates can be set from the Web Creator.

For the domain of the certificate, register the IP address of the router on the WAN side.

For details, refer to "4.6.8.1.1 Setting Server Certificate in PLC".

[Preparation 4] Register a root certificate in a PC.

Register a root certificate that is issued by the publisher of the server certificate r egistered in the FP7 CPU unit in the PC.

Without the root certificate, a content screen is not displayed even when connecting to the FP7 CPU unit.

For details, refer to "4.6.8.1.3 Registering Root Certificate in PC".

[How to specify addresses]

1. Specification Method on Browser

An IP address on a WAN side of a router or a fixed private IP address of VPN is specified in the format of "https://IP address on WAN side of router: Port No.".

Concrete example:

New Tab	×	
$\leftarrow \rightarrow \mathbf{C}$	🗋 https://123.234.111.222	=

The SSL communication uses the port number 443, however, it can be omitted.

2. Host address setting for screen group, screen, and web parts

Set "IP address on the WAN side: Port No. regsitered in the NAT table" to the host address of a web part connected to the FP7 CPU (unit 2).

te common paramete	ers		
⊟ device			IP address on the WAN side:
host address 123.234.111.2		1.222:444	Port No. registered in the NAT
network protocol	Global setti	ngs 🔻	lable
lamp status	type device type No.	Global DT,n 0	
lamp status mode	а	•	

Setting example of a web part

2.3 FP7 Customer Web

2.3.1 Outline of Method of Using FP7 Customer Web

The following is the general flow of using the FP7 customer web.



3 Installing Web Creator

3.1 Method of Installing Web Creator

The procedure of installing the Web Creator is as follows.



PROCEDURE

1. Start the installer of the Web Creator.

					X
	Computer Local Disk (C:) WebCreator	▼ 4 ₂	Search WebCreator		٩
Organize 🔻	🕞 Install 🔻 Burn New folder			•	0
🔆 Favorites	Name	Date modified	Туре	Size	
	j릫 WebCreator_en-v2.0.0.0	7/31/2015 5:46 PM	Windows Installer	61,632 KB	
🕞 Libraries	WebCreatorTrial_en-v2.0.0.0	7/31/2015 5:45 PM	Windows Installer	58,204 KB	
n Computer					
18	WebCreator_en-v2.0.0.0 Date modified: 7/31/20: Windows Installer Package Size: 60.1 MB Date created: 9/17/20:	15 5:46 PM 15 3:16 AM			

* There are the installers of Japanese version and English version, however, the contents to be installed are the same.

There is no need to install the both versions.

2. Proceed the operation according to the guidance of the installer.

Panasonic-ID SUNX Cont	🖟 Panasonic-ID SUNX Control Web Creator Setup					
	Welcome to the Panasonic-ID SUNX Control Web Creator Setup Wizard The Setup Wizard Will install Panasonic-ID SUNX Control Web Creator on your computer. Click Next to continue or Cancel to exit the Setup Wizard.					
FP7						
	Back Next Cancel					

3. Confirm the software license agreement, and check the box for accepting the agreement.



4. Select an installation destination.



5. Start the installation.



6. Finish the installation.


3.2 Folder Structure of Web Creator

Content folder

Data is created in the following folders in my document folder.

For adding a file, save it into a folder suitable for its purpose. In the case of a background image file, save it into the backgrounds folder.

However, Japanese file names cannot be used.

Web Creator	— WebContents	: Storage location of project data
	│	: User-created project data
		: Storage folder of server certificate (*1)
	│ └── downloads	: Storage location of download data
	└── WebCommons	: Storage folder of project common file
	├── beeps	: Storage folder of audio file
	├ pdf	: Storage folder of PDF file
	└── img	: Storage folder of web part image file (*2)
	├── backgrounds	: Storage folder of background image file
	├── cfonts	: Storage folder of font file
	├── textures	: Storage folder of texture file
	└── video	: Storage folder of moving image file (*3)

*1: For saving the server certificate, create a "ssl" folder directly under a project folder used, and save it into this folder.

For details, refer to "4.6.8.1 Server Certificate Setting".

*2: For displaying desired images for lamps or switches, save them into the img folder directly.

File format	File extension
MP4	***.mp4
OGV	***.ogv
WebM	***.webm

*3: Usable moving image file formats are the following three types.

Application installation folder

The following files are created in the folder specified at the time of installation.

WebCreator	WebCreator.exe	: Execution file
	├── WebCreator.png	: Icon image file
	├── mfc100u.dll	: DLL file for Web Creator
	├── WebDataWrite.dll	: DLL file for Web Creator
	├── WebReadDataConvert.dll	: DLL file for Web Creator
	WebWriteDataConvert.dll	: DLL file for Web Creator
	├── KeyPairVerify.dll	: DLL file for Web Creator
	├── libeay32.dll	: DLL file for OpenSSL (*)
	└── ssleay32.dll	: DLL file for OpenSSL (*)

*: In this product, the software developed by OpenSSL Project is incorporated for using OpenSSL Toolkit. (http://www.openssl.org/)

4 Overview of Web Creator

4.1 Overview of Web Creator

What is Web Creator?

- The Web Creator is software for creating and saving contents displayed on the customer web.
- Contents can be created by arranging web parts or graphics such as switches, lamps and meters and setting those properties.

What is project data?

- Created monitor screens and settings such as communication settings and security settings are called project data.
- Project data is stored in a project folder created by the Web Creator.

What is web part?

- Web part is a part unit that is composed of control part (such as switches), data part (such as meters) and static part (texts).
- By setting the properties, the operation memory of the FP7 CPU unit can be monitored or set, or monitor screen pages can be switched.

■ What is graphic?

• Graphic is a part unit having a shape such as square, circle, and arrow. By setting the properties, the size or color arrangement can be adjusted.

Screen configuration

Screen configuration of Web Creator

C:/Program Files/Panasonic-ID SUNX Control/Web Creator - Web Creator Ver.2.0.0	
Project Page System Or + Operation E E E E Operation Page Save Save Save Save Occordings Save Save Save Save Save Occord Occord Occord Occord Occord Occord Unnamed Occord Occord Occord Occord Occord Occord	v2.0.0 est_Project)
	6
D C % S3 C % Paste: Image: Selection A V Add to page Widgets * Image: Add to page Undo Redo Group Ungroup Cut Paste: Delete Selection Top Back: Forward Badward Add to page Add to page	

- ① Project menu: Project operation menu
 - 1) Operations : Displays the operation menu.
 - a) New... : Creates a new project
 - b) Open... : Opens an existing project.
 - c) Save : Overwrites and saves a project.
 - d) Save as... : Saves a project as a specified name.
 - e) Delete... : Deletes a new project
 - f) Download : Downloads project data to PC from the FP7 CPU unit.
 - g) Upload : Transfers project data to the FP7 CPU unit from PC.
 - h) Upload SSL certificate... : Sets/deletes the SSL certificate for/from the FP7.
 - i) Messages & Translations...: Defines a message displayed with a message part.
 - 2) Multicopy : Controls the creation/deletion and settings of groups and

screens.

- 3) Save : Overwrites and saves a project.
- 2 Page menu : Screen operation menu
 - 1) Open : Opens a screen created by project management.
 - 2) Save : Overwrites and saves the screen being edited.
 - 3) Save as : Saves the screen being edited as a specified name.
 - 4) Test : Confirms the operation of saved screen data communicating with the FP7 CPU unit.
 - 5) Arrange : Displays the screen editing menu.
 - a) Multicopy... : Copies a selected part for a specified number continuously.
 - b) Mirrorring : Switches the positions of selected multiple parts.
 - c) Center : Arranges selected multiple parts in the center of the screen.
 - d) Align... : Aligns selected multiple parts.
 - e) Delete all : Deletes all parts arranged in the screen.
 - ③ System menu : Makes the settings related to the whole operation of the Web Creator.

: Arranges various parts.

- ④ Drawing area
- ⑤ Property setting area : Displays the properties of arranged parts.
- 6 Toolbar : Toolbar for screen editing
 - 1) Undo : Undoes the operation.
 - 2) Redo : Redoes the operation.
 - 3) Group : Groups selected multiple parts.
 - 4) Ungroup : Ungroups a set of items.
 - 5) Copy : Copies a selected part.
 - 6) Cut : Cuts a selected part.
 - 7) Paste : Pastes a selected part.
 - 8) Delete : Deletes a selected part.
 - 9) Selection : Changes the mode to the state in which parts are selectable in the drawing area.
 - 10) Top : Moves the layer in which a selected part is arranged to the top (frontward).

- 11) Back : Moves the layer in which a selected part is arranged to the bottom (backward).
- 12) Forward : Moves the layer in which a selected part is arranged to the layer next above (frontward).
- 13) Backward : Moves the layer in which a selected part is arranged to the layer next below (backward).
- 14) Shapes Add to page : Arranges shapes parts such as circle, triangle, and square.
- 15) Widgets Add to page : Arranges prepared parts.

4.2 Presetting Before Starting Web Creator

Only when you feel that the operation speed of the Web Creator is slow, configure the following setting.

* Reset the setting to the original setting after finishing the Web Creator. Otherwise it may not be connected to the internet.

* This setting is not necessary for Web Creator Ver.1.01. (The problem that the speed gets slow has been resolved.)



PROCEDURE

1. Select "Internet Options" from Control Panel.



2. Select "LAN settings" from "Connections" of Internet option.



3. Uncheck the setting items in "Automatic configuration", and finish the setting.

	Automatic configuration Automatic configuration may override manual settings. To ensure the
1	use of manual settings, disable automatic configuration.
	La Automatically detect settings
l	se automatic configuration script
	Address
	Proxy server
	$\hfill\square$ Use a proxy server for your LAN (These settings will not apply to dial-up or VPN connections).
	Address: Port: 80 Advanged
	Bypass proxy server for local addresses

4.3 How to Start Web Creator



PROCEDURE

- 1. Insert the Key Unit (AFPSWCKEY) to the PC you use beforehand.
- 2. The Web Creator can be started from the Start menu "Web Creator".



3. The Web Creator starts.



The display language of the Web Creator is determined by the language of OS at the time of startup.

The display language is switched according to the language of OS as follows.

Japanese OS: Japanese display

Other languages: English display

The display language of the Web Creator can be changed.

Once the display language is changed, the selected language is also used from the next startup.

For details of the method of switching the display language, refer to "4.6.8.9 Multi-language Switching Function of Web Creator".

4.4 Project Folder

A project folder should be specified before creating a screen.

Create or specify a project folder when starting the Web Creator or from the "Operations" menu of the project menu of the Web Creator.

* Project folders are created in the WebContetns folder.

4.4.1 Creating Project Folder at Startup

Create a new project folder from the start screen.



PROCEDURE

1. Click "Create a new project" in the start screen.



2. The list of projects is displayed.



3. Clicking the WebContents displays the "New folder" button.



4. Click the " New folder " button to open the screen to enter a folder name. Enter a folder name, and click the "Create" button.

C:/Program Files/Panasonic-ID SUNX Control	Web Creator - Web Creator Ver2.0.0		
Select a folder fo	Create new folder	×	. Back
Contents root, D/UnerData/Docamente/W	Input name of new folder Folder name Sample		
Ju WebContents downloads		Create Cancel	1
			-

5. Click the "New project" button displayed by clicking on the created folder and create the project.



6. Once the project is created, the screen moves to the project management screen.

entor Ver 2.0.0	
	Back
Project configuration	
	Project configuration

For creating groups or screens subsequently, carry out the creation from the project tree. Refer to "4.5 Project Management".

4.4.2 Specifying Existing Project Folder at Startup

Specify an existing project folder from the start screen.





2. The list of existing projects is displayed.



3. Clicking on the folder you want to open displays the "Open project" button. Click the button to open the project.



4. Once the project is opened, the screen moves to the project management screen.

Manage project data adit pages and groups)		Back
roject tree	Project configuration	

For opening an existing screen subsequently, open it from the project tree. For creating groups or screens, carry out the creation from the project tree. Refer to "4.5 Project Management".

4.4.3 Acquring Project from PLC at Startup and Editing It

Download a project from the PLC in the start screen and edit the project.



2. Confirm the IP address, user ID and password* of the source FP7*, and click "Download".

		Welco	me	e to	C		
	Download c	ontents fro	m FF	P7(Sei	rver 🔶 P	C)	
	IP address 192 168 1.21	8 Port number	32769	User ID	0 💌	Password	
Start	Download Gancel 20150805-134745.gst D AlserData/Documents/Web	Creator/WebContents/down	nkoads/2015	0805-13474	15.gst		I
000							1

The default IP address is displayed for a download destination. Change it to the desired IP address.

* When the security setting of the FP7 CPU unit is not set, connect as a master user (ID: 0, Password: Not required).

* When the security setting of the FP7 CPU unit is set, connect using the administrator ID and password registered in the PLC security setting of FPWIN GR7S.

3. Pressing the "Close" button after the completion of download moves the screen to the project management screen.

C:/Program Files/Panasonic-ID SUAX Control/Web Creator - Web Creato	or Ver2.0.0	
vve	icome to	
	rr≯PC)	
Star Pressing this button	100%	
changes the screen.		
Download proper than received a proper transfer of the received a proper t	Information	
C C/Progen File./Pensionc-ID SUNX Control/Web Creator - Web Creato Manage project data (edit pages and groups)	rw2.0.0	Back
Project tree	Project configuration	

4.4.4 Creating Project Folder from Operation Menu

1. 2.

Create a new project folder from "Operations" > "New.. " of the project menu of the Web Creator.



2. Clicking the WebContents displays the "New folder" button.



3. Click the "New folder" button to open the screen to enter a folder name. Enter a folder name, and click the "Create" button.

Soloot a folder fa crate new folder	-
Select a folder it create the local	
Contains root to Abserbasedbecementary input name of new toder Polder name Sample3	
A WebCliners Adverse Adverse	

4. Click the "New project" button to create the project.

C/Program Files/Panasonc-ID SUNX Control/Web Creator - Web Creator Ver2.0.0	
Select a folder for the new project to create	(Rack
A. WabConsets Sanshint Project_001 rayset_002 rayset_002 rayset_002 Sansjel2 Sansjel2 Form_fright Web Mark Mark stripert	

5. Once the project is created, the screen moves to the project management screen.



For creating groups or screens subsequently, carry out the creation from the project tree. Refer to "4.5 Project Management".

4.4.5 Specifying Project Folder from Operation Menu

Specify an existing project folder from "Operations" > "Open..." of the project menu of the Web Creator.



1. Specify an existing project folder.

C-/Program Piles/Panasonic-ID SURX Control/Web Creator - Web Creator Ver.2.0.0	
Select the project to open Contents root D AserDataDocumentaWetsCreaterWetsContents	Dack
A Multi-contents	
Bodomiadd Project_002 Project_003 Project_004 Sample Sample Sample	

2. Clicking on the folder you want to open displays the "Open project" button. Click the button to open the project.

C:/Program Files/Panasonic-ID SUNX Control/Web Creator - Web Creator Ver.2.0.0	0.0
Select the project to open Contents root D/UserData/Documents/WebCreator/WebContents	Back
A vyveConterns b downloads Project_082 Project_082 Project_082 Sample Sample Sample Sample Trest_Project	Project name: unnamed Version: 0.0.0 Path: 0.0.1/ser07ata/Documents/WebCreator/WebCon HerrsProject_002 Created: 201503/re.21.13.25 Last modified.201503/s0612:57.37 Autor: Description:

3. Once the project is opened, the screen moves to the project management screen.



For opening an existing screen subsequently, open it from the project tree. For creating groups or screens, carry out the creation from the project tree. Refer to "4.5 Project Management".

4.5 Project Management

Select a project folder when starting the Web Creator.

4.5.1 Configuration of Project Data

The project data of Web Creator is composed of a project, groups and screens.

Example of project configuration

Project tree



Up to 256 groups and 256 screens can be created for the whole project.

Configuration of screen number



Screen numbers start from 000 by group.

Screen numbers of the screens that are created in the root of a project and do not belong to any group start from 000-000-000-00.

4.5.2 Project Setting

Configure the common setting for a project.



PROCEDURE

1. Click "Pages" of the project menu.



2. Open the project tree screen.

eter Ver.2.0.0	(Carle) Prove
	Back
Project configuration	
	Project configuration

Click the project of the project tree.

3. Click the "Configure" button.



project Settin	igs .	
Project Ch	anges history Layout Banner Background Network Security Page Switch	
ect tree Project name	unnamed	_
4 Frojeg_Ar Version	0.00	_
+ to out (un Path	D./UserData/Documents/WebCreator/WebContents/Project_002	_
C list Created	2010/03/16 21 13:20	rotect_00
Author	Undefined	
Description		

4. Enter the project name on the "Project" tab.

5. Configure the setting on the "Network" tab.

Program Flac, Pana	sonic-ID SUNX Control/Web Crew	tor - Web Cre	207 V87 3.0.0			
lanage	and the state	_				5.0
lanaye	project Settings					
ou badies a	Project Changes history	Layout E	anner Background	Network Security	Page Switch	
oject tree	Network protocol	m7			(
* 1 Sample2 () * 5 Ans (ur (2 000 (
						emple 2
	Save Cancel					

It is not necessary to set an IP address when a communication destination party refers to the FP7 itself.

Its own IP address is automatically determined from the URL when connecting to the custom web.

When a communication destination party differs from the FP7 itself, set a communication destination by the procedure described in "4.5.3 Creating Groups" or "4.5.4 Creating Screens".

The "Layout ", "Background ", "Network " and "Security " settings of the project setting are the common settings to the groups and screens under this project.

4.5.3 Creating Groups

Add groups to a project.

Groups can be added to up to three layers.

Up to 256 groups can be created in total for all layers.



PROCEDURE

1. Click the project of the project tree.

Manage project data (edit pages and groups)	Back
Broject tree	ouration
Add page (unsamed) Add page (see a constraint of the constrai	pby default configuration amed JeerOtataDocuments/WebCreator/WebContents/Sample2 050116 21:35:14 508:05 10 13:46

2. Click the "Add group" button.



3. Select a created group, and click the "Configure" button to configure the setting of the group.

rogram Files/Panas	conic-ID SUNX Control/Web Creat	r - Web Creator Wr.2.0.0	(colice
anage	folder Settings		(inter
in pages a	Project Changes history	Layout Banner Background Network Security Page Switch	
oject tree	network-host	Global settings	
* da Sample2 ()	Network protocol	Gaopar settings	
t= 001 (u			
	Save Cancel		
			l.

The "Layout", "Background", "Network" and "Security" settings of the group setting are the common settings to the screens under this group.

4.5.4 Creating Screens

Create a blank screen in the place right below the project or in a selected group.

Up to 256 screens can be created for each project.

	V	DROCENIBE
-		

1. Click on a project or group of the project tree you want to create a screen..

Manage project data (edit pages and groups)		Back
Project tree • & Sangle2 (unasmed) • 001 (unasimed) Add grace Add page Color	Project configuration Configure Apply decaul configuration Group Drame: unnamed Version: Created 2015/08/05 11:55:14 Last modified 2015/08/05 11:55:14 Autor: Description:	

2. Click the "Add page" button.

C:/Program Files/Panasonic-ID SUNX Control/Web Creator - Web Creator Ver3	3.0.0	
Manage project data (edit pages and groups)		Back
Project tree A Sample (unnamed) Out (unnamed) Out (unnamed) Out (unnamed)	Project configuration Corep D: 001 Core D: 001 Co	

3. Select a created screen, and click the "Configure" button to configure the setting of the screen.

nage	tile Settings		
nages a	Browert Champer history	Laured Banner Backstruids Melaner Secure Bill Date Date Sector	
ct tree	Page ID		
Country (Page name	unsamed	
= 001 (un	Version	0.00	
	File name	30000	
	Created	2015/08/05 11 57 03	
	Author	Global settings	
	Description		
		Redirect by default to this page int Redirect by default to this page This is NOT the default page	
	Sawn Cancel		_

4. Select the created screen, and click the "Open page" button to proceed to the screen editing.

edit pages and groups)		
A Sample (unnamed) Sold (unnamed) Old (unnamed) Old (unnamed) Old (unnamed)	Project configuration Configure Apply default configuration Page ID: 001-000-000-000 Page Tame: unamed Version: 0.0 Fin name: 2005 Created: 2015/08/05 11.57.03 Lati modeled: 2015/08/05 11.57.03 Lati modeled: 2015/08/05 11.57.03 Lati modeled: 2015/08/05 11.57.03	
	No Preview	

Selecting "Redirect by default to this page" in "Project" in the above "Configure" displays a mark in the project tree.

The "Layout", "Background", "Network" and "Security" settings of the screen setting can be individually configured for each screen separately from the common settings of project and groups.

4.5.5 **Importing Screens from Other Projects**

Screens created for other projects can be copied to a project currently created.

PROCEDURE 1. Select a project on the project tree, and click the "Import" button. C:/Program Files/Panasonic-ID SUNX Control/Web Creator - Web Creator Ver.2.0.0 Manage project data (edit pages and groups) Project tree Project configuration Configure Apply default configu Project n Version Path 0.0.0 D/UserData

Created 2015/03/16 21 13 48 Last modified: 2015/08/05 10:09:00

Author Description

2. Select a project to be imported, and click the "Import" button.



3. Select a screen or group to be imported, and click the "Copy" button.

C:/Program Fries/Panasonic-ID SUNX Control/Web Creator - Web Creator Ver.2.0.0		
Manage project data (edit pages and groups)		Back
Project tree		
▲ A Project_004 (unnamed) Group 10 Group 11 Group 11 Group 11 Group 12 Group 12 Group 12 Group 12 Group 13	Reference project	

4. Select a destination project or group.

edit pages and groups)		
Project tree		
L Project_004 (unnamed) Hot (notex) Hot (notex) Go (foreing) Go (foreing) Go (foreing) Go (foreing 2) Go (foreing 2) Go (foreing 2) Go (foreing 2)	Reference project	
	Page ID 000.000.000.000 Page name: Index Version: 0.0 File name: ag1c5 Created: 20160005 10.12.61 Last modified: 20150005	

5. Press the "Paste" button to complete the import.

C:/Program Files/Panasonic-ID SUNX Control/web Creator - Web Creator V	r208	(
Manage project data (edit pages and groups)		Back
Project tree		
	Reference project	
	Page ID: 000-000-000 Page name: index Version: 0 0.0 Pile name: 4g1c5 Created: 20150805 10.12.31 Last modifies 20150805	Ĺ

4.5.6 Upload

Transfer saved project data to the FP7 CPU unit.



PROCEDURE

1. Click "Upload" of the project menu.



2. Confirm the IP address, user ID and password of the destination FP7*, and click "Upload".

C:/Program Files/Pana	asonic-ID SUNX Control/Web Creator - Web Creator Ver2.0.0	
Projecti O + O Commission Project	Page Distance Page Distance Distance <thdistance< th=""> <thdistance< th=""> <thdistan< th=""><th></th></thdistan<></thdistance<></thdistance<>	
	Upload contents to FP7(PC → Server)	
in the second se		
	Pladdress 192.168.1.216 Port number 32769 User ID 0 Password Password	
	Check contents size Upload Cancel	
	Project_004.gst D AlserData/Documents/WebCreator/WebContents/Project_004.gst	
	State of the state	

For the IP address of the upload destination, the IP address specified for the host for test, upload or download is shared.

*When the security setting of the FP7 CPU unit is not set, connect as a master user (ID: 0, Password: Not required).

* When the security setting of the FP7 CPU unit is set, connect using the administrator ID and password registered in the PLC security setting of FPWIN GR7S.

■ When uploading data exceeding the content capacity

The following message is displayed when data exceeding the content capacity of the FP7 CPU unit is uploaded.

In this case, change the data size to be within the content capacity of the FP7 CPU unit, and upload it again.

• For FP7 CPU unit Ver.4.10 or later (Ver.3.40 to 3.99)

Created content (page + image) exceeds the capacity limit 15,945,936 Byte (15,572.2 kB) . Please reduce the file size (number of pages, image files).	
Cancel	

• For other versions of FP7 CPU unit

COMMUNICATION ERROR: >@EEE0311FWEBW610015F77C Created content (page + image) exceeds the capacity limit. Please reduce the file size (number of pages, image files).	
Cancel	

4.5.7 Download

Transfer project data to a PC from the FP7 CPU unit.



PROCEDURE

1. Click "Download" of the project menu.



2. Confirm the IP address, user ID and password of the source FP7*, and click "Download".

CuProgram Piles/Penesonc-30 Sutor Control/Web Creator - Web Creator veri 2.0.0	hand the section
Project Page Destant 0 • 0 10 10 10 10 10 10 10 10 10 10 10 10 1	1000
The state is the set of the carbon with a balance control of the set of the s	
Download contents from FP7(Server → PC)	
IP address 192 168, 1 213 Port number 22765 User ID 0 💌 Pessword	
Constant Cancel 20150005-095942 gst 10001101000-0059542 gst 1000110000-005042 gst	
Project name after download	
26222222	

For the IP address of the download destination, the IP address specified for the host for test, upload or download is shared.

Downloaded project data is automatically saved in the "WebContents/downloads" folder separately from the project currently edited.

The project name after saving is automatically created from the date and time information at the time of downloading the data.

After the completion of the download operation, the automatically downloaded project opens.

*When the security setting of the FP7 CPU unit is not set, connect as a master user (ID: 0, Password: Not required).

* When the security setting of the FP7 CPU unit is set, connect using the administrator ID and password registered in the PLC security setting of FPWIN GR7S.

4.5.8 Message Setting (Multiple Languages)

Define messages displayed with message parts.

The following fifteen languages are supported.

Abbr.	Language
ја	Japanese
da	Danish
de	German
el	Greek
en	English
id	Indonesian
it	Italian
fi	Finnish
fr	French
ko	Korean
nl	Dutch
no	Norwegian
ru	Russian
vi	Vietnamese
zh	Chinese

Up to ten languages can be registered.

1. 2. 3.

1. Click "Operations" > " Messages & Translations..." in the project menu.



PROCEDURE

2. Click a message number, select a number that a message is registered, and enter a message to be registered in the frame at the lower part of the screen.

(shanged) Super Cancel
i
21 T 14 II II II T II
ar in a a tr

3. When registering English following the above step, select "en" from the "Add language" drop-down list in the middle of the screen, and click the right "+".

10 100-21			
20			
3 Q			
40			
0.0			
70			
80			
9.0			
10 O			
110			
Ianguage: English (en)			
ase enter being the Balling	Ranslation of the selected mess	200	
	6 C D C	41M - 14 - 10 -	17.
• a • B I E	5 / 5 C #+ -	Nurt I III III III III	d lateral i

4. As well as the case of Japanese, enter a message to be registered in English within the frame at the lower part of the screen.

No. ja en message						
1 0 Message 1 2 0 4 0 5 0 6 0 7 0 6 0 0 10 0 11 0 11 0 11 0 11 0						
lease enter below the	a (en) translation of	The selected message				
7 - A - B /	1 6 0 0	C ≡ Aria	• 14• i		Ti-	
Y • A • B I 1 Message 1	1 6 2 3	C = - Aris	• 14 • 1	I k .	T.	

• is displayed in the column of the number/language that a message is registered.

 \bigcirc is displayed in the column no message is registered.

5. For deleting an added language, click "X" of the language on the screen.

	X	×	message	·			
		0	wessage	-			
2	0	0	Ű				
3	0	0					
4	0	0					
5	0	0					
6	0	0					
7	0	0					
8	0	0					
9	0	0					
	\sim	\cap					
10	0	~					
10	0	Õ					
10	0	Õ			_		

* All the registered messages in the deleted language are cleared.
4.6 Screen Editing

4.6.1 Open

Open screen data created in a project.





2. Select a screen to be edited on the project tree, and click the "Open page" button.

Manage project data edit pages and groups)		Dack
Project tree	Project configuration	
	Configure Apply default configuration Page ID 000-000-0000 Page ID 00-00-000 Page ID 00-00-000 File name: mydk Created: 205/00/16 21 13 15 Last modified: 7015/05/05 13/00 16 Author: Description:	

The 📁 mark indicates the initial screen.

The preview of the screen is displayed in the lower right of the screen so that you can confirm the selected screen.

3. The edit screen for the selected screen opens.



4. Subsequently, select another screen to be edited, and click the "Open page" button.



5. A tab is added by opening another screen data.



The screen can be switched by clicking the tabs.

6. Once the open screen data is edited (such as adding web parts), the tab color changes.

roject			Page						System	
0 -	0 Faget	B. Sava	Dopan	B. Sara	10-10 AL	*	aranga	Tattings	0 Battings	Folder name: utmamed (D-XIserDataDocumentsWebDreatorWebContents/Sample) Page name : 001-000-000-000 (Dample)
		001-000 Sample	000-000	*						
										Meter widget (meter)
										9 10 21 20 20 20 20 20 20 20 20 20 20
				_						B common parameters
					1 -					C device
				1.0						@ measure
										I ranges
			1	sw1						(B tost
			1							
				60						DICICIC
				-	-					
	-		-			-	-		-	
5 0	2	њ. I	Co : 1	20 8	K K	1	8 .	0 ^		 Shapes + Widgets +

4.6.2 Screen Creation

Arrange parts on the screen, and set the properties of the arranged parts.

This section describes an example of procedures for arranging lamp and switch parts.





2. Cliking "Lamp" of the parts selection menu opens the list of lamp parts.



3. Clicking a lamp in the list of lamp parts returns to the edit screen. Click at an arbitrary position and arrange the part.



4. Once a part is arranged, the property is displayed in the right side part of the screen.



Specify the bit address of the FP7 for "lamp status" of "No.".

5. Arrange a switch part by the same procedure, and set the property.



4.6.3 Presetting for Test

It is necessary to set the IP address of a connected PLC before conducting a screen test.

2.	
3.	PROCEDURE

1. Click "Setting" of the system menu.



2. Set the IP address of a PLC to be connected when conducting the test.

Tool configu	ration		
Language	English -		
Grid snap			
Grid display			
Grid width	10		
Grid height	10	Set IP	address
Labels display	/ 🗸	$\overline{}$	
Test server	192.168.1.218	$\boldsymbol{>}$	
Apply Ca	ancel		

* The set IP address is used as the IP address of upload and download in common.

*When an IP address has been already set in the screen setting or group setting, its IP address is used for connection not the IP address of the host for testing.

4.6.4 Screen Test

The operation of a created screen can be confirmed while communicating with the FP7 CPU unit before uploading the created screen to the FP7 CPU unit.



PROCEDURE

1. Click "Test" of the screen menu.



2. The test screen opens in a separate window of the browser.



The on/off state of the specified bit is switched by clicking the switch part.



The connection destination information specified in "4.6.3 Presetting for Test" can be confirmed from the browser URL.

4.6.5 File Storage

Save a created screen.



1. For overwrite save, click "Save" of the screen menu.



2. For saving with a new name, click "Save as" of the screen menu.

Page		\frown			
Open	E) Save	Save as n	► Test	I → Arrange	Settings
		5		_	_

3. The screen for saving screen data opens.



Specify a file name, and click "Save".

4.6.6 Screen Setting

Configure the screen setting.



PROCEDURE

1. Click "Setting" of the screen menu.



2. The screen setting window opens.

0 - 0	Page D D D T	System	
	Settings		
	Project Changes history	Layout Banner Background Network Security Into PDF Page Page Switch	
	Page ID	000-000-000	
	Page name	Index	
	Version	0.00	
	File name	щик	
	Created	2015/03/16 21:13:15	
	Author	Giobal settings	
	Description		
		Redirect by default to this page	
	Save Cancel		

Configure the settings for screen name, size, screen background, communication setting, etc. Once the settings are reflected by clicking "Save", the screen returns to the edit screen.

4.6.7 Functions of Web Parts

This section describes the functions for each web part.

4.6.7.1 Common Functions to Web Parts

This section describes the functions common to each web part.

4.6.7.2 Multilingualization of Parts Display

Web pages can be multiligualize by registering messages of each language in advance and specifying message numbers for parts.

This section describes the procedure of setting message numbers to parts. For details of the method of registering messages, refer to 4.5.8 Message Setting (Multiple Languages).



1. Set "#xxx" (xxx: message number you want to display) in the position where you want to display a message for each part.



(Setting example)

Lamp, switch parts: Set in title. Text parts: Set in text. Extended graph: Set in title and label of data source.

* Messages can also be set for other parts than the above parts (such as dialog parts).

2. When the screen is displayed in a browser, a bar for switching the displayed language is shown in the upper right corner of the screen.



Once the language is switched, the setting state is kept when the screen is switched to another screen.

The selected language information is reset when the browser is closed.

4.6.7.2.1 Method of Specifying Character Size Larger Than 100 px

Data widget (data) disable frame device 🕀 data format 🗆 text format alignment ≡ center vertical alignment 📼 middle #1b1b1b ø color 🔲 italic 🔲 bold decoration underline overline line-through Any setti 💌 300px ext size MS Gothic • text font

For specifying the font size larger than 100 px, set as below.

ltem	Setting
Character Size	Select a character size from the list.
	For specifying a size larger than 100 px, select "Any setting" from the list.
Character size (Input)	When selecting "Any setting", a desired character size can be input.
	The maximum character size is 4000 px.

4.6.7.3 Functions of Major Web Parts

This section describes the method of using the functions of each web part.

4.6.7.3.1 Slider Parts

The control by the slide operation is available.

Setting for slide operation method



∃ co	mmon parame	ters	
⊞ de	vice		
	eration		
mi	nimum value		
ma	aximum value		
out	tput	discrete	-
co	ntrol method	click	•

Setting	Description
minimum value	Output value when the slide is set to the minimum value.
maximum value	Output value when the slide is set to the maximum value.
output	discrete: The slide can be moved at certain graduated intervals.
	continuous: The slide can also be set between graduated intervals.
control method	click: The slide operation is performed only by a click operation.
	drag: The slide operation is performed by a click operation or drag operation.

Method of changing parts design





Setting	Description
design	Select a design of the part.
	* Arbitrary images cannot be specified.
orientation	Select "horizontal/vertical" for the slide direction.
frame type	Select "metallic/plastic" for the appearance of the frame.
color	Select a color of the part from the list.
steps	Specify the interval for the step operation.
	The number of scales of the slide part varies according to the number of steps.

🗆 display	
design	gstslhm10_blue_svg
orientation	📻 horizontal 🔍
frame type	F horizontal
color	vertical
00101	
steps	10 💌

* Some setting items of each web part can be confirmed as images such as the direction and type of the frame.

4.6.7.3.2 Rotary Switch Parts

The control by rotary switches is available.

Setting for rotary switch operation method



Setting	Description
minimum value	Output value when the slide is set to the minimum value.
maximum value	Output value when the slide is set to the maximum value.
output	discrete: The slide can be moved at certain graduated intervals.
	continuous: The slide can also be set between graduated intervals.
control method	click: The operation is performed only by a click operation.
	drag: The operation is performed by a click operation or drag operation.

¥

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Ŧ

v

•



Method of changing parts design

Setting	Description
design	Select a design of the part.
	* Arbitrary images cannot be specified.
orientation	Select " horizontal/vertical" for the slide direction.
frame type	Select " metallic/plastic " for the appearance of the frame.
color	Select a color of the part from the list.
steps	Specify the interval for the step operation.
	The number of scales of the slide part varies according to the number of steps.

* Some setting items of each web part can be confirmed as images after the setting such as the direction and type of the frame.

4.6.7.3.3 Dialog Parts

The dialog parts can be switched between displaying and hiding, and the controlled content can be set for each button of dialog parts individually.

Method of switching between displaying and hiding dialog part

	🗆 device			
	host address	Global settir	ngs	
Message	network protocol	Global settings		•
	dialog bit device	type device type No.	Global DT,n 0	•
	dialog bit mode	а		•
	⊕ methods			
Button 1 Button 2 Button 3 Button 4	⊞ display			

The dialog part is displayed when the set bit device turns ON (*1).

The part is not displayed when the bit device is OFF (*1).

*1: This operation is performed when "dialog bit mode" is "a".

When the mode is set to "b", the part is displayed when the bit device is $\mathsf{OFF}_{\cdot\circ}$

For changing the display contents of dialog parts, change the following settings.

dg1 Title		title	Title
		title size	20px 💌
Message		title font	Georgia 💌
5		text	Message
		text size	40px 💌
		text font	Meiryo
		button 1 label	Button 1
Button 1 Button 2 Button 3 Button 4	٥	button 1 color	#abd
		button 2 label	Button 2
	٥	button 2 color	#dba
		button 3 label	Button 3
	٥	button 3 color	#dab
		button 4 label	Button 4
	٥	button 4 color	#bad
		button size	18px 💌
		button font	MS Gothic, Courier N 💌

Setting	Description
title	Message displayed in the title bar of dialog part.
title size	Character size of "title".
title font	Character font of "title".
text	Body text of dialog part
text size	Character size of "text".
text font	Character font of "text".
button n label	Character string displayed in "button n".
	When this is not input (blank), the button n is not displayed.
button n color	Color of "button n".
button size	Character size of "button n".
button fonc	Character font of "button n".

Button operation setting



* The operation performed when each button is pressed can be set from each "Edit" of buttons 1 to 4.

4.6.7.3.4 Meter Parts

The range (low/middle/high) and color can be specified for some meter parts. Minimum and maximum hold values can also be set to be displayed.

* In the case of some meter parts, the following setting items may not be displayed.

Undisplayed meter parts do not support various functions. For details, refer to "Meters that various functions are usable".

Range setting (low/middle/high)

	40 50 60 40 1 1 7 60
4	common parameters
4 . ²⁰	device
30, 70	⊞ display
	. E measure
20 - 50 - 50 - 50 - 50 - 50 - 50 - 50 -	😑 ranges
10 90	low range threshold 15
0 100	high range threshold 70
	low range color rgba(255,50 rgba)
	middle range color
	high range color rgba(243,52 issue and inclusion of the second sec
	⊞ test

Setting	Description
low range threshold	Set the thresholds of low and middle ranges.
high range threshold	Set the thresholds of middle and high ranges.
low range color	Set the color of low range.
middle range color	Set the color of middle range.
high range color	Set the color of high range.

Display of hold values



By setting the minimum hold value display and the maximum hold value display, the update of each hold value is displayed when the minimum or maximum value is updated.

Meters that various functions are usable

Usable functions for each meter are as follows.

gstm001	gstm002	gstm003	gstm004	gstm0		tm006	gstm007
Part name	gstm001	gstm002	gstm003	gstm004	gstm005	gstm006	gstm007
Low/Middle/High	Available	_	Available	_	_	_	_
Hold value	Available	Available	Available	_	—	_	_

gstm008	gstm009	gstm010	gstm011	1123343 1111111	112 gs	tm013	gstm014
Part name	gstm008	gstm009	gstm010	gstm011	gstm012	gstm013	gstm014
Low/Middle/High	-	_	_	_	Available	Available	_
Hold value	—	-	_	Available	Available	Available	Available



gstm022	gstm023		gstm025	gstm0		m027	gstm028
Part name	gstm022	gstm023	gstm024	gstm025	gstm026	gstm027	gstm028
Low/Middle/High	_	Available	-	_	_	_	_
Hold value	-	Available	Available	_	_	_	_

			102343978				
gstm029	gstm030	gstm031	gstm032	gstrm0	001 gst	rm002	gstrm003
Part name	gstm029	gstm030	gstm031	gstm032	gstrm001	gstrm002	gstrm003
Low/Middle/High	ĺ	_	_	ĺ	_	_	Available
Hold value	_	_	_	Available	_	_	Available

gstrm004	gstrm005	gstrm008	gstrm007	gstrm0	08 gsb	m009	gstrm010
Part name	gstrm004	gstrm005	gstrm006	gstrm007	gstrm008	gstrm009	gstrm010
Low/Middle/High	Available	Available	_	_	—	Available	_
Hold value	Available						

4.6.7.3.5 Extended Graph Parts

The following two graphs can be set; "sampling graph" which acquires data periodically and displays the graphs, and "array graph" which acquires data collectively at a specified time and displays the graphs.



Overview of the functions that can be used for graphs

Functions common to sampling and array graphs

- A maximum of 32 bar graphs can be displayed simultaneously.
- A maximum of 10000 points of graphs can be displayed.

* It is not possible to display all of 10000 points in a graph.

The points actually displayed are limited to the number of dots on the screen that a graph occupies.

For displaying all 10000 points, activate the expansion control and reduce the image. The whole graph can be confirmed.

- An explanatory note can be set. It is selectable whether to display or hide it on monitoring.
- It is selectable to use the left or right axis for the scale for each graph separately.
- Besides a linear scale, a logarithmic scale can be specified.
- By displaying the expansion control on a graph, the display of the whole graph can be reduced or expanded with the control.
- Even when the displayed screen is not in the active state, its displayed content is updated in the background.

Peculiar function to array graph

• The graph display is not updated periodically. It is updated only when a specified device bit turns ON.

4.6.7.3.6 Data Parts

■ Monitoring character string information with data parts

Character strings can be monitored as well as values.

Setting method

Data widget (dat	a) disable frame
common para	ameters
⊞ device	
🖯 data format	
format	string2
max-length	30
prefix	
suffix	
text format	
frame format	

* "string 1" and "string 2" of the display/input method are different in the input/output format. For details, refer to the following "Character string format".

• Operation image

.27.0.0.1:52348/simulator/1niw2.html?test-hos	式=192.168 公
ABCDE 12345 abcde 67890	
	ABCDE 12345 abcde 67890

*The appearances of "string 1" and "string 2" are the same.

• Character string format [Input/output format of string 1]

When "12345ABCDE" is input, it is set in PLC as follows.

When a maximum of 100 characters (max-length is set to 100) can be input;



[Input/output format of string 2]

When "12345ABCDE" is input, it is set in PLC as follows.

When a maximum of 100 characters (max-length is set to 100) can be input;



• Changing display contents by threshold values

Display contents can be changed according to acquired values by setting the upper and lower threshold values.

	low range threshold	50
	Iow range text color	rgba(251,47
	Iow range fill color	rgba(254,20 🧱
00049 🛛	Iow range border color	rgba(255,32
	high range threshold	300
	high range text color	rgba(27,46,:
	high range fill color	rgba(210,20
	high range border colo	r rgba(50,46,:

Setting	Description
low range threshold	Specify a threshold of low range.
	When an acquired value is less than the threshold value, the display changes to the content of low range.
low range text color	Set the font color when an acquired value is in the low range.
low range fill color	Set the background color when an acquired value is in the low range.
low range border color	Set the frame color when an acquired value is in the low range.
high range threshold	Specify a threshold of high range.
	When an acquired value is less than the threshold value, the display changes to the content of high range.
high range text color	Set the font color when an acquired value is in the high range.
high range fill color	Set the background color when an acquired value is in the high range.
high range border color	Set the frame color when an acquired value is in the high range.

4.6.7.3.7 Media Player Parts

By setting a moving image file to the part, a moving image can be played on browser. Playing, pausing and stopping a moving image can also be controlled by a PLC.

Setting method



Setting	Description
media file	Specify a moving image file to be played.
autoplay	A moving image is automatically played when it is displayed on browser.
loop	A moving image is played repeatedly.
manual control	It enables to control the play of a moving image on the part.

* Save moving image files to be played in the following folder in advance.

For details, refer to "3.2 Folder Structure of Web Creator.

Storage location of moving image files: WebCreator\WebCommons\img\video

■ Cooperation with PLC



Media player widget (mediaplayer) common parameters 🖯 device Global settings host address Global settings network protocol • • type Global play bit device device type DT,n No. 0 play bit mode а pause bit device None • type • pause bit mode a stop bit device type None -а stop bit mode playback

Setting	Description
play bit device	Specify a bit device for controlling the playback of moving image files.
play bit mode	Set "a″ or "b″.
pause bit device	Specify a bit device for controlling the pause of moving image files.
pause bit mode	Set "a″ or "b″.
stop bit device	Specify a bit device for controlling the stop of moving image files.
stop bit mode	Set "a″ or "b″.

4.6.7.3.8 Camera Parts

Camera parts can be used in cooperation with a network camera manufactured by Panasonic.

The part can be moved to the preset position registered for a network camera according to the command of PLC as well as the manual operation from the part.

Cooperation method with network camera

The following setting is required for linking a network camera and a camera part.

Note)

Recommended browsers for using camera parts are Google Chrome, Fire Fox, Opera, and Safari.

When using Internet Explorer, the automatic login to a network camera is not available. As the web screen of the network camera is displayed, log in from that screen. Use the latest version of software for the network camera.

• Setting for the connection with network camera



Setting item	Description
model	Select a target camera type.
connection method	Select http or https for the connection method.
camera address	Specify the IP address of the camera.
user ID	Specify the user ID set in the camera.
password	Specify the password of user ID.
refresh rate	Specify the update cycle of camera images.
control	Specify whether to display or not display a button for operating the camera.
controls size	Specify the size of the operation button.

The supported models for network camera parts are as follows.

Network cameras manufactured by Panasonic

BB - SP104W / ST162A / SC384A / SW174WA / SW175A / SW172A WV - SF135 / SF138 / SW155 / SW158

■ Cooperation method with PLC and network camera

Registering operations enables the operations in cooperation with PLC.

The camera can be moved to the preset position according to reference bits.

em1 C	Camera	a widget (cam	era) disable t	frame	
2015/08/05 14:27:10	⊡ com	nmon paramet	ers		
Error . carritioad image	⊞ cam	nera			
	⊟met	hods			_
	Metho	d 1			
	cont	trol bit	type device type No.	Global DT,n	•
	pres	et	Preset #1		-
	zoor	m level			
	brigh	htness	No change		-
	snar	oshot frame			
	Metho	od 2			
	cont	trol bit	type	None	▼.
Pause Left Right Up Down Darker Brighter Zoom out Zoom in	Metho	od 3			
	cont	trol bit	type	None	•
	Metho	od 4			
	cont	trol bit	type	None	•
	Metho	od 5			
	cont	trol hit	turno	Nono	-

Setting item	Description				
control bit	Specify a device to be a trigger.				
preset	Specify the preset position set in the camera.				
	The view point of the camera can be changed by specifying the preset position.				
	*: This setting is not available for some models.				
zoom level	For using the magnification specified for the preset postiion of the camera, select "No change".				
	For using a different magnification from that of the preset position, specify a magnification.				
	*1: Magnification varies depending on the model and settings of the camera.				
	2*: This setting is not available for some models.				
brightness	For using the brightness specified for the preset postiion of the camera, select " No change ".				
	For using a different brightness from that of the preset position, specify brightness.				
snapshot frame	The content of a current camera image is reflected to a specified graphical part.				
	Specify the label name of graphical part.				
	*: It takes a little time to reflect the content to a graphical part.				

* For details of the method of registering the preset position, refer to each manual of the network camera you use.

Available functions for each model

Usable functions for each model are as follows.

Model	BB- SP104W	BB-ST162A (SW174WA , SW175A , SW172A)	62A BB- WA, SC384A A,SW172A)		WV-SF138 (SW158)
Preset specification	—	Available	Available Available		_
Magnification	Available	Available	—	Available	Available
Brightness	Available	Available	Available	Available	Available

• Operation image



4.6.7.3.9 Text Parts

Text parts can be entered directly from parts.

Multiple lines can also be displayed.

Direct input method on parts

Double-clicking a text part after selecting it enables the direct input.



Purpose	Operation method		
Determination of input	The input content is determined by operating the Enter key.		
Cancellation of input	The input operation is cancelled by pressing the Esc key or selecting any area outside of the part.		

Remarks) It is possible to start a new line in the middle of line by inputting "\n".

This can be specified by both the direct input to text parts and the setting item "text".



4.6.7.3.10 Shapes Parts

Not only graphics but also the lamp and switch functions can be set for shapes parts.

Setting of lamp and switch functions

The lamp and switch functions become usable by specifying devices for using the lamp and switch functions.

	Shape widget (shape)				
	⊟ device				
	host address	Global setti	ngs		
	network protocol	Global sett	ings	•	
	lamp status	type device type No.	Global DT,n 0	•	
	lamp status mode	а			Settings related to the lamp
	blinking	none		•	function
	blinking bit	type	None	-	
	blinking bit mode	а			
	switch write device	type device type	Global DT,n	•	
\checkmark		No.	0		Settings related to the switch
	switch mode	momentary	-set	-	function
	interlock device	type	None	-	
	interlock mode	а		-	

* For using parts as shapes parts, set each device setting to "None".

When setting the lamp function, the setting for changing the display by turning ON/OFF a reference bit is possible by changing the following setting.

	Shape widget (shape)	
	Common parameters	
	⊞ device	
	⊞ methods	
52 1 54	⊞ sound	
	⊟ on display	
	fill color #eee:red	Display sotting when hit is ON
	line color #1b1b1b	Display setting when bit is ON
	line width 2px 💌	
	□ off display	
	fill color #eee:white	Display setting when bit is OFF
	Iine color #1b1b1b	5
	line width 2px 💌	
	⊞ test	

* For using parts as shapes parts, change the setting of "off display" when changing the design.

* A transparent switch can be created by setting all the color settings to be transparent for both the on and off states.

For details of the setting method of transparent parts, refer to the next page.

Transparency setting

Besides the shapes parts, the transparency setting is available in the color setting for various web parts except some parts.

For details of the parts and items for which the transparency setting is available, refer to "Parts for which the transparency setting is available" on the next page.

* The transparency setting is unavailable for the following web parts.

Slider parts, rotary switch parts, media player parts, and meter parts (meter parts that the low/middle/high range functions are not enabled)

• Method of making a part transparent (1)



The part is made transparent by operating the "Transparent" button.

• Method of making a part transparent (2)

When setting transparency from the dialog of the color selection, it is possible to specify arbitrary transparency.



■ Parts for which the transparency setting is available

The parts for which the transparency setting available and settable items are as follows.

Parts	Items for which the transparency setting is available							
Dialog	Button color	-	-	-	-	-		
Meter	Low range color	Middle range color	High range color	-	-	-		
Line graph	Line color	Background color	Font color	-	-	-		
Bar graph	Line color	Background color	Font color	-	-	-		
Extended graph	Graph background color	Graph frame color	Background color	Scale color	Line color	Fill color		
Data	Background color	Frame line	Shadow color	-	-	-		
Message	Background color	Frame line	Shadow color	-	-	-		
Camera	Background color	Frame line	Shadow color	-	-	-		
Graphic	Line color	Fill color	-	-	-	-		

4.6.8 Functions of Web Creator

This section describes various functions of Web Creator.

4.6.8.1 Server Certificate Setting

SSL communication can be performed by setting a server certificate in the PLC.

The setting method is as follows.

4.6.8.1.1 Setting Server Certificate in PLC

Set a server certificate in the FP7 CPU unit. Once a server certificate is set, note that even an FTP server is connected via SSL communication.

Items that should be prepared

- Server.cer (server certificate file)
- any.key (Secret key file)
- *1: The files should be created with the above file names.
- *2: For the above certificate, always prepare it in a pair.

If a certificate is incorrect, it cannot be set.

Reference) Besides server certificates prepared by certificate authorities, self certificate created by free software such as a certificate creation tool can also be used.

Free certificate creation software: Such as electronic certificate creation software "k9pca"

Storage location of certificate

Create a "ssl" folder under the project folder, and store the certificate file in it.

(my document)

WebCreator ---- WebContents

1. 2. 3.

PROCEDURE

1. Click "Operations" > "Upload SSL certificate..." in the project menu.

Project			Pa				
Ů ▼ Operations	🔅 Pages	E Save	ot [
New							
Open							
Save							
Save as.	Save as						
Delete	Delete						
Download							
Upload							
Upload S	SL certif	icate					
Messages & Translations							

2. Select "Register" in Operation, and confirm the IP address, user ID and password* of the upload destination, and click " Apply".

C:/Program Files/Pa	nesonic-ID	SUNX Cor	trol/Web Creat	or + Web	Creator Ver	2.0.0				00
Project O = O Descentes Pages	E) Sais		San Barra	, b	DE -	Samogr	Bystem O Seconge			
			SSL cer	tificate	configura	tion				
			IP add	ess		192.16	3.1.218			
			Port no	mber		32769		- 1		
			Operat	ion		· Regi	iter 🔿 Delete	- 8		
	(25)	_	User IC	i.		0 💌		- 8		
			Passw charac	ord (8-16 lers)				- 1		
	-		Certific	ate		1_001 g	st/ssl/Server.cer	- 8		
			Key			ject_00	1 gst/ssl/any key	- 8		
			Apply	Bac						
									Shapes +	Watgets +

For the IP address of the upload destination, the IP address specified for the host for test, upload or download is shared.

*When the security setting of the FP7 CPU unit is not set, connect as a master user (ID: 0, Password: Not required).

* When the security setting of the FP7 CPU unit is set, connect using the administrator ID and password registered in the PLC security setting of FPWIN GR7S.

0 - 0 A S	SL certificate configuration	×	
A CONTRACTOR OF A CONTRACTOR O	Completed		
		OK	
	Operation	● Register © Delete	
	User ID	0	
	Password (8-16 characters)		
	Certificate	1_001 gst/ssl/Server.cer	
	Key	ject_001 gst/ssi/any.key	
	Appy Back		

3. When the exit screen is displayed, click "OK".

4. Restart the FP7.

Restart the PLC for enabling the setting.

5. Confirm the SSL communication is valid by accessing from the browser.

Access http://xxx.xxx.xxx/sys/ (xxx: the IP address of the FP7 on which the certificate is registered) from the browser, and confirm that a content screen is not displayed.

* For accessing the PLC on which the SSL setting is conducted, install a root certificate in the PC you used in advance.

For details of the installation instructions, refer to 4.6.8.1.3 Registering Root Certificate in PC.



Access https://xxx.xxx.xxx/sys/ (xxx: the IP address of the FP7 on which the certificate is registered) from the browser, and confirm that a content screen is displayed and a key mark is shown in the address bar.

(The way of displaying the key mark varies according to a browser you use.)

EP7 Web Secure Extent ×			X
← ⇒ 🗧 🛔 https:// 92.168.1.226/sys/			☆ ≡
Panasonic	(HELEN		
	FP7 Web Server	System	_
Welcome to F	P7 Web Se	erver System	
	Ver.1.1.0		
User ID			
Password			
	Login		
		Copyright® Panasonic Industrial Devices SUNX Co	. Ltd. 2014-2015

4.6.8.1.2 Deleting Server Certificate Information from PLC

Delete the server certificate in the FP7 CPU unit.

Download... Upload...

Upload SSL certificate.

Messages & Translations.



2. Select "Delete" in Operation, and confirm the IP address, user ID and password* of the upload destination, and click "Apply".

C:/Program Files/Panasonic-ID SUNX	Control/Web Creator + Web Creator Ve	ar.2.0.0	
Project Page Discourse Page Bars Discourse Finder name Universit (D AUS#DatcOloci Page name 000 900 900 900 900 900 900 900 900 90	e <u>Barra</u> <u>B</u> P Corres mereta Arveb Creator/MabContants/Project	Basticy. System Basticy. Basticy.	0.65%
000-000-000-000-00	SSL certificate configur	ation	
	IP address	192.168.1.218	
	Port number	32769	
	Operation	© Register 🖲 Delete	
	User ID	0 •	
	Password (8-16 characters)		
	Apply Back		
0 0 0 0		Anter the free freet to a	inapes - Widgets -

For the IP address of the upload destination, the IP address specified for the host for test, upload or download is shared.

*When the security setting of the FP7 CPU unit is not set, connect as a master user (ID: 0, Password: Not required).

* When the security setting of the FP7 CPU unit is set, connect using the administrator ID and password registered in the PLC security setting of FPWIN GR7S.

C:/Program Files/Panasonic-ID SUNX Control/Web Creator - Web Creator Ver 2.0.0							
(Front -	Page		_ bymm		· .		
U- O E	SSL certificate	configuration		× 10			
Probleme updated diverse Page pane cardination (Million page contin	Completed						
				ок			
	0	peration	🖱 Register 🏶 Delete				
	-	er ID	0				
		assword (8-16 Naraclers)					
		ору Васк					
<u>=</u> <u>e</u> <u>=</u> <u>=</u>							

3. When the exit screen is displayed, click "OK".
4. Restart the FP7.

Restart the PLC for enabling the setting.

5. Confirm the SSL communication is invalid by accessing from the browser.

Access http://xxx.xxx.xxx/sys/ (xxx: the IP address of the FP7 on which the certificate was deleted) from the browser, and confirm that a content screen is displayed and a key mark is not shown in the address bar.

(The way of displaying the key mark varies according to a browser you use.)

FP7 Web Server attent x	
← → C 🗋 192.168.1.226/sys/	위 ☆ =
Panasonic	FP7 Web. Server System
Welcome to I	FP7 Web Server System
	Ver.1.1.0
User ID	
Password	
	Login
	Copyright© Panasonic Industrial Devices SUNX Co., Ltd. 2014-2015

4.6.8.1.3 Registering Root Certificate in PC

For accessing contents in a PLC in which a server certificate has been registered, a root certificate should be registered in the PLC in advance.

When a root certificate is not registered, a content screen is not displayed even when accessing the PLC.

Items that should be prepared

- Root certificate

* Prepare a root certificate that is issued by the publisher of the server certificate registered in the connected PLC.

* If server certificates issued by different publishers have been registered in multiple PLCs, prepare root certificates corresponding to each publisher.

Installation of root certificate

1. Select "Install Certificate" from the right-click menu of a root certificate.



2. Select "Next" in the wizard.



3. Select "Trusted Root Certification Authorities" from "Place all certificates in the following store".

Certificate Import Wizard
Certificate Store
Certificate stores are system areas where certificates are kept.
Windows can automatically select a certificate store, or you can specify a location for the certificate.
Agtomatically select the certificate store based on the type of certificate
Certificate store:
Trusted Root Certification Authorities Browse
Learn more about certificate stores
< Back Next > Cancel

Select "Next" after selecting "Trusted Root Certification Authorities".

4. Confirm that "Trusted Root Certification Authorities" is selected, and select "Finish".

Certificate Import Wizard	X
	Completing the Certificate Import Wizard The certificate will be imported after you click Finish.
	You have specified the following settings: Certificate Store Selected by User Trusted Root Certifice Content Certificate

5. The installation of the certificate is complete.



4.6.8.2 Security Setting

If the security setting is made, a password should be entered for displaying the screen.

Sixteen stages of security levels can be set, and web parts can be displayed according to the security level for login.



- Password setting for each security level
 - 1. Open the advanced setting screen.

(edit pages and groups)		
Project tree	Project configuration	
	Configure Apply default configuration Dage name Index Version 0.0.00-000 Pile name mptk Created: 2015/03/16/21.13.15 Last modated: 2015/03/05/13.00.16 Author: Description:	

A project and groups can be set for each screen.

2. Select the "Security" tab.

No pass	word configuration.			
Password #15	Global settings	Confirmation #15	Global settings	i
Password #14	Global settings	Confirmation #14	Global settings	E
Password #13	Global settings	Confirmation #13	Global settings	
Password #12	Giobai settings	Confirmation #12	Giobal settings	
Password #11	Global settings	Confirmation #11	Giobal settings	

3. Set a password for each security level.



A password should be set for each security level.

Sixteen stages of security levels, 0 (low) to 15 (high) can be set.

* For deleting a password that has been set, leave the password input field blank for the setting.

	ON	OFF
	u 👝 🖳	a u
	TI	TI
	A	A
	□ common paramet	ters
-	horizontal position	490
	vertical position	180
	width	100
	height	100
	rotation	0
	label	lp1
	security level	0
	. device	

Method of setting the security level of web parts

Security levels can be set for each web part.

If you log in with a security level lower than the corresponding security level, the part is not displayed.

Example of operation with the security setting [Login screen]



When displaying a screen for which a password has been set, the following screen is displayed.

Enter the registered password.

If the login attempt failed, the content screen is not displayed.

[Login result]



Login with a password higher than the security level

			Log
			Logic
-			
Widgets A		J	
in ago to h	_	_	

Login with a password lower than the security level

When the security has been set for multiple screens, and if the security settings for screens A and B are the same, the other screens can be displayed without login as the logged-in password information is transferred.

When the password settings for screens A and B are different, the login screen is displayed for opening other screens.

4.6.8.3 Banner Setting

A banner can be displayed in each web screen.

PROCEDURE

1. Open the advanced setting screen.

Manage project data (edit pages and groups)		Back
Project tree	Project configuration	
	Ocntgure Apply default configuration Page name index Wage namo index	

A project and groups can be set for each screen.

2. Select the "Banner" tab.

Project Changes histor	y Layout Banner Ba	kground Network Security	PDF Page Page	Switch
/isible	Global settings	Position	Global settings	
ize (pixels)	Global settings 💌	Background color	Global settings	
rame size (pixels)	Global settings	Frame color	Global settings	
fext size (pixels)	Global settings	Text color	Global settings	
mage delete		Image display method	Global settings	•
mage position	Global settings -	Horizontal padding (pixels)	Global settings	
		Vertical padding (pixels)	Global settings	
Page ID	Global settings	Page name	Global settings	•
lime	Global settings	Requests count	Global settings	•
isplay count	Global settings			

- file Settings Project Changes history Layout Banner Background Network Security PDF Page Page Switch Visible Visible Position up • Size (pixels) rgba(195,124,245,1.00): 75px Background color Frame color rgba(0.0,0,1.00) Frame size (pixels) 2px 14px Text size (pixels) Text color gba(255,255,255,1.00) . Image delete Image display method CONTAIN Horizontal padding (pixels) Image position left 20 Vertical padding (pixels) 0 • Page ID Visible Page name Visible • Time Visible • Requests count Hidden . Display count Hidden
- 3. Set the items for a banner.

Setting item	Description
Visible	Display/hide a banner.
Position	Display position of a banner
Size (pixels)	Size of a banner. When the display position is "Up" and "Down", it is the vertical width. When it is "Left" and "Right", it is the horizontal width.
Background color	Background color of a banner
Frame size (pixels)	Line thickness of a banner
Frame color	Frame color of a banner
Text size (pixels)	Character size displayed in a banner.
Text color	Character color displayed in a banner.
Image	Image displayed in a banner
	The display method of an image is as follows.
	Hidden: No image is displayed.
Image display method	FILL: An image is magnified so as to match with the banner area.
	CONTAIN: An image is magnified so as to be contained in the banner area.
	COVER: An image is magnified so as to cover the banner area.
	*1: When magnifying an image using "FILL", the aspect ratio of the magnified image does not match that of the original image.
	*2: When magnifying an image using "CONTAINER" or "COVER", the image is magnified so as to have the same aspect ratio as that of the original image.
Image position	Display position of an image
Horizontal padding (pixels)	An image is displayed by shifting by a specified number of pixels.
Vertical padding (pixels)	An image is displayed by shifting by a specified number of pixels.
Page ID	A screen number is displayed in a banner.
	A screen name is displayed in a banner.
Page name	The contents specified for the screen name of the advanced setting "Project" of each screen is displayed.
Time	Time information is displayed in a banner.
Time	*The time information of OS is displayed.
Requests count	The cumulative number of communications and the number of communications per second are displayed.
Display count	The cumulative number of display times and the number of display times per second are displayed.

The setting items are as follows.

* For displaying an arbitrary image, it should be saved in "WebCreator\WebCommons\img". For details, refer to "3.2 Folder Structure of Web Creator".

Reference) When actually displaying the setting of the procedure 3.



4.6.8.4 PDF Screen Setting

PDF data can be displayed when displaying a screen by specifying a PDF file as a screen.



PROCEDURE

1. Store a PDF file you want to display in a predetermined folder.

Organize * Share	with • Burn New folder	ii • 🗂	1
🚖 Favorites	Documents library	Arrange by: Folder	-
🙀 Libraries	Name	Date modified Type	
Scomputer	DPF_psgel.pdf DPF_psge2.pdf DPF_psge3.pdf DPF_psge3.pdf DPF_psge4.pdf	6/16/2015 2:36 PM PDF 6/16/2015 2:36 PM PDF 6/16/2015 2:36 PM PDF 6/16/2015 2:36 PM PDF	File File File

Store PDF files in "WebCreator\WebCommons\pdf\".

For details, refer to "3.2 Folder Structure of Web Creator".

2. Open the advanced setting screen of the page on which the PDF is displayed.

edit pages and groups)		
Project tree	Project configuration	
	Configure Apply default configuration 500-000-000 Page name: Index Version: 0.0.0 File name: mytk Created: 2015/03/16.21.13.15 Last modified: 2015/08/05.13.00.16 Author: Description:	

This setting is made for each screen separately.

This setting cannot be made for projects and groups.

Do not arrange web parts in the screen that this setting is made.

3. Select the "PDF Page" tab.



*: For canceling the PDF page, select "No PDF page", and save. After the setting is complete, the icon in the screen changes to the normal icon.

4. Select a PDF file you want to display, and save the setting.



*: Once the PDF screen setting is complete, the icon changes to that of PDF file.



A page set in the PDF screen is displayed as follows.

* The operation differs according to the browser used. Google Chrome, Opera, Fire Fox: The file is downloaded. Internet Explorer: The PDF screen is displayed on the browser.

When using Google Chrome, Opera, or Fire Fox, the PDF screen can be displayed by selecting the downloaded PDF screen.

1921681218/cw/59641.h ×	
← → C 🗋 192.168.1.218/cu/59d41.html	☆ =
D PDF_page1pdf	Show all downloads

When using Google Chrome, the file can be displayed by selecting the downloaded file from the bar at the bottom of the browser.

For returning from the display screen, use the Back button on the browser.

The displayed PDF screen can be printed or stored in a PC or tablet.

The screen number can be notified to the PLC and the screen can be switched from the PLC when displaying the PDF screen.

For Google Chrome, a file downloaded to a PC from the browser can be referred by the following operation.



Select "Downloads" from the menu, and select a file you want to refer from the list of downloaded files.



When using Internet Explorer, as a PDF file is displayed on the browser, it should be saved manually for saving it in the PC.

For saving the currently displayed PDF file from Internet Explorer, select "Save as..." from the "File" menu.

4.6.8.5 Page Switch Setting

Pages displayed on a browser can be controlled from the PLC by setting triggers.

Manage project data edit pages and groups)	
Project tree	Project configuration
A in Project, out (uncannel) Tie mod (there) (them pase (there are a constant) Tie mod (there) (them pase (there are a constant) Constant) Constant (there are a constant) Constant) Constant (there are a constant) Constant) Constant) Constant) Constant) Constant)	Condigue Apply default configuration page name: Index. Version: 0.00 File name: mydk Created: 2015/05/16.21.13.15 Last modified: 2015/05/15.30.16 Author: Description:

This setting can be made for each project, group, and screen.

2. Select the "Page Switch" tab.

Project	Changes history	Layout Ba	anner Background	Network Security P	DF Page Page Switch
Page cor	ntrol				
Trigger		Destinat	tion page No	Switch delay	
type	Global s	type	Global s	Global settings	
Page mo	nitor				
Page nu	mber register				
type	Global s				

3. Make the page switch setting.

index	changes history	Layout Banne	er Background	Network Security	PDF Page	Page Switch
age contro	ol					
Trigger		Destination	page No.	Switch delay		
type	Global 💌	type	Giobal 💌	none		î.
device type	R	device type	DT .			
NO.	0	No.	10			
		data type	US 💌			
Page numb	er register					
type	Global s 💌					
type	Global s 💌					
type	Global s					
type	Global s 💌					
type	Global s 💌					

Setting item	Description
Trigger	The screen is switched when the specfiied trigger turns ON.
Destination page No.	Specify the starting device where a destination screen number is stored.
Switch delay	Time until the screen is switched after the trigger turns ON.

Data format of screen number

For specifying a screen number, store it in the device as follows.



Method of confirming screen numbers

Screen numbers can be confirmed by the following procedure.

• Confirming from the edit screen



• Confirming from the management screen

C/Program Files/Panasonic-ID SUNX Control/Web Creator - Web Creator Ver.2.0 Manage project data (edit pages and groups)	0
Project tree	Project configuration
A Project_001 (unnamed)	Configure Apply default configuration
4 5 001 (Group A)	Page ID: 001-000-000
OD0 (Sample 1) Open page Delete Copy	Page name: Sample 1
4 🗁 002 (Group B)	Version: 0.0.0
🖵 000 (Sample 2)	File name: 1t4iv
	Created: 2015/08/05 12:58:27
	Last modified: 2015/08/05 13:01:55
	Author:
	Description:

4.6.8.6 Screen Number Notification Setting

This setting enables to notify the screen number currently displayed to the PLC.

1. 2. 3.

PROCEDURE

1. Display the advanced setting screen.

edit pages and groups)		
Project tree	Project configuration	
▲ ▲ Poped_V61 (unserved) ↓ Toped_V61 (unserved) ↓ ★ 000 (thready 0 unserved) ↓ ♥ 000 (thready 0 thready 0 unserved) ↓	Configure Augon directant configuration example	
	-	

This setting can be made for each project, group, and screen.

2. Select the "Page Switch" tab.

Project Changes history Layout Banner Background Network Security PDF Page Page SA Page control Trigger Destination page No Switch delay type Global s type Global s Global s	
Page control Trigger Destination page No. Switch delay type Global s Global s Global s Page monitor Page number register type Global s Global s Global s	ich.
Trigger Destination page No. Switch delay type Global s type Global s Global s Page monitor Page number register type Global s	
type Global s type Global s Global s tings Page monitor Page number register type Global s	
Page mumber register type Global f	
Page number register type Global f	
type Global f	
Save	

3. Make the screen notification setting.

Project	Changes history	Layout	Banner	Background	Network	Security	PDF Page	Page Switch
Page cont	trol							
Trigger		Dest	tination pa	ige No.	Switch	delay		
type	Global s 💌	type	0	3lobal ś 💌	Glob	al settings		
Page mon	itor							
Page num	ber register							
tune	Global 💌							
device typ	e DT 💌							
NO.	100							
data type	US 💌							
	217 No. 191							

For the output of screen numbers, refer to "Data format of screen number" in "4.6.8.5 Page Switch Setting".

The screen number is notified after the display of the screen changes.

4.6.8.7 Fine Adjustment Function of Part Arrangement

The arrangement of parts can be finely adjusted using the cursor keys of a keyboard $(\uparrow/\downarrow/\leftarrow/\rightarrow)$ besides dragging a mouse.

These keys can be operated together with the Shift key.

Cursor keys: Moves one pixel. Shift + Cursor keys: Moves ten pixels.

> Upload ... Upload SSL certificate ... Messages & Translations

4.6.8.8 Function for Confirming Content Size

The content size of a currently edited project can be confirmed.

PROCEDURE 1. Select "Upload". Veren Play Barrie Destruction Veren Play Barrie Destruction

2. Press the "Check contents size" button.



3. Confirm the content capacity.



4.6.8.9 Multi-language Switching Function of Web Creator

The display language of the Web Creator is determined by the language of OS at the time of startup.

The display language is switched according to the language of OS as follows.

Japanese OS: Japanese display

Other languages: English display

Once the setting is changed, the selected language is also used from the next startup.



PROCEDURE

1. Display the "Setting" screen.



2. Select a language you want to display.

Fool configur	ation
Language	日本語
Grid snap	English
Grid display	
Grid width	10
Grid height	10
Labels display	
Test server	192.168.1.218
Apply Car	ncel

3. Select " Apply".

Tool configur	ation
Language	English -
Grid snap	\checkmark
Grid display	
Grid width	10
Grid height	10
Labels display	
Test server	192.168.1.218
Apply Ca	ncel

* Once the setting is changed, the screen changes to the start screen.

When there is an unsaved edit screen, it is confirmed whether it is saved or not.

4.6.8.10 Monitor Function

The monitor function is activated even when the content screen is not inactive.

Inactive means the states that the browser is minimized or the screen is not focused.



In the Web Creator of a version older than Ver.2.0.0, the moitor function stops when the contetn screen is inactive. Once it becomes active again, the monitor function restarts.

4.7 Execution Method

For executing a transferred screen, input the IP address on a browser.



The transferred screen opens.



From the Web Creator Ver.2.0, the monitor function is enabled even when the browser is inactive.

4.8 Method of Closing Web Creator

For closing the Web Creator, press the "X" button in the top right corner of the screen.



4.9 Types of Web Parts and Descriptions of Properties

This section describes the types of usable web parts and the properties.

■ Types of parts

No.	Types of parts	Description
1)	Lamp	Part whose color changes according to the ON/OFF state of a bit device.
2)	Lamp-switch	Part in which lamp and switch functions are combined.
3)	Switch	Part which turns ON/OFF a bit device.
4)	Slider	Part which operates word device values by the slide operation.
5)	Rotary-switch	Part which operates word device values by the position operation.
		Part which displays a message window and switch on the screen.
6)	Dialog	The message window can be displayed or hidden by turning ON/OFF the bit device.
7)	N-State	Multiple status displays are switched by word device values.
8)	Meter	A word device value is displayed with a meter.
9)	Line-graph	Displays a line graph.
10)	Bar-graph	Displays a bar graph.
11)	Extended-graph	This part in which the functions of line graph and bar graph are combined. A maximum of 32 graph displays are possible.
12)	Data	Part which displays or writes word device values.
	Magazza	Part which displays a message corresponding to a message number stored in a word device.
13)	Message	For details of the setting method of message, refer to "4.5.8 Message Setting (Multiple Languages)".
14)	Media player	Part which reproduces a moving image file.
15)	Camera	Part which can be used with a corresponding network camera manufactured by Panasonic. Camera images are displayed and the view point of the camera can be changed.
16)	Text	Part which displays a fixed character string on the screen.
		Part which displays an arbitrary graphic.
17)	Shapes	The functions of switch and lamp parts can also be used by specifying bit devices.

Property	Description
commonparameters	Common parameters
horizontal position	X coordinate of the upper left corner of a part.
verticalposition	Y coordinate of the upper left corner of a part.
width	Width of a part.
height	Height of a part.
rotation	Rotation angle of a part.
label	Item name.
securitylevel	The security level of a parts is set from 0 (low) to 15 (high).
device	Device allocation setting
hostaddress	Destination FP7 CPU
networkprotocol	m7 (Fixed)
lamp status	Bit device to be referred
lamp status mode	a/b
blinking	Blink or not blink
blinking bit	Bit device to be referred for blinking.
blinking bit mode	a/b
hostaddress	a/b
ondisplay	Display setting when a lamp is on.
design	Image displayed when the lamp status is ON.
title	Character string displayed when the lamp status is ON.
font	Font of the character string displayed when the lamp status is ON.
fonts ize	Size of the character string displayed when the lamp status is ON.
placement	Position of the character string displayed when the lamp status is ON.
text color	Color of the character string displayed when the lamp status is ON.
text decoration	Modification of the character string displayed when the lamp status is ON.
offdisplay	Display setting when a lamp is off.
design	
title	
font	
fonts ize	Refer to the descriptions of the ON state.
placement	
text color	
text decoration	
test	Display confirmation setting when editing a screen.
turn on	Turns ON/OFF a lamp.

Properties of lamp parts

Property	Description
common parameters	Refer to the descriptions of lamp parts.
device	Device allocation setting
host address	Defects to the descriptions of lamp parts
network protocol	Refer to the descriptions of lamp parts.
switch read device	Bit device for referring to the status of a switch.
switch write device	Bit device for writing the status of a switch.
switch mode	Set/Reset/Momentary-set/Invert
interlock device	Bit device for referring to the valid or invalid state of switch operation.
interlock mode	a/b
lamp status	
lamp status mode	
blinking	Refer to the descriptions of lamp parts.
blinking bit	
blinking bit mode	
methods	Operation settings for operating buttons.
on-up methods	Operation that the lamp on button is returned.
on-down methods	Operation that the lamp on button is pressed.
off-up methods	Operation that the lamp off button is returned.
off-down methods	Operation that the lamp off button is pressed.
sound	Operation sound settings
up beep	Sound when a button is returned.
down beep	Sound when a button is pressed.
on/up display	Display settings when the lamp on button is returned.
design	Image
title	Character string
font	Font of the character string
font size	Size of the character string
placement	Display position of the character string
text color	Color of the character string
text decoration	Modifications of the character string
on/down display	Display settings when the lamp on button is pressed.
design	
title	
font	Refer to on/down display.
font size	

Properties of lamp-switch parts

Property	Description
placement	Refer to on/down display
text color	
text decoration	
off/up display	Display settings when the lamp off button is returned.
design	
title	
font	
font size	Refer to on/down display
placement	
text color	
text decoration	
off/down display	Image when the lamp off button is pressed
design	
title	
font	Refer to on/down display
font size	
placement	
text color	
text decoration	
test	Display confirmation setting when editing a screen.
turn on	Turns ON/OFF a lamp.
release	Turns ON/OFF a switch.

Properties of lamp-switch parts (continued)

Properties of switch parts

Property	Description
common parameters	Refer to the descriptions of lamp parts.
device	Refer to the descriptions of lamp-switch parts.
methods	Operation settings for operating switches.
up methods	Opeartion when the button is returned/up (on the left).
down methods	Operation when the button is pressed/down (on the right).
sound	Refer to the descriptions of lamp-switch parts.
up beep	Refer to the descriptions of lamp-switch parts.
down beep	Refer to the descriptions of lamp-switch parts.

Property	Description
up display	Display setting when a lamp is on.
design	Image displayed when the switch read device is ON.
title	Character string displayed when the switch read device is ON.
font	Font of the character string displayed when the switch read device is ON.
text size	Size of the character string displayed when the switch read device is ON.
placement	Position of the character string displayed when the switch read device is ON.
text color	Color of the character string displayed when the switch read device is ON.
text decoration	Modification of the character string displayed when the switch read device is ON.
down display	Display setting when a lamp is off.
design	
title	
••••	Reter to the descriptions of the state when a lamp is UP.
text color	
text decoration	
test	Display confirmation setting when editing a screen.
release	Turns ON/OFF a switch.

Properties of switch parts (continued)

Properties of slider parts

Property	Description
common parameters	Refer to the descriptions of lamp parts.
device	Refer to the descriptions of data parts.
operation	Settings related to the operation of parts.
minimum value	Output value to devices when the slider is set to minimum.
maximum value	Output value to devices when the slider is set to maximum.
outout	discrete: The slide can be moved at certain graduated intervals.
δάιραι	continuous: The slide can also be set between graduated intervals.
	click: The slide operation is performed only by a click operation.
control method	drag: The slide operation is performed by a click operation or drag operation.
display	Settings related to the display of parts.
design	Design of a part
orientation	Sliding direction
frame type	Appearance design of a part
color	Color of a part
steps	Number of memories of a part
test	Display confirmation setting when editing a screen.
value	Display value

Property	Description
common parameters	Refer to the descriptions of lamp parts.
device	Refer to the descriptions of data parts.
operation	Refer to the descriptions of slider parts.
display	Settings related to the display of parts.
design	Design of a part
frame type	Shape of a part
frame design	Appearance of a part
cursor	Shape of a cursor
show graduations	Display setting of values
color	Color of a part
steps	Number of memories of a part
test	Display confirmation setting when editing a screen.
value	Turns ON/OFF a switch.

Properties of rotary switch parts

Properties of dialog parts

Property	Description
common parameters	Refer to the descriptions of lamp parts.
device	Device allocation setting
host address	Defense the descriptions of laws north
network protocol	
dialog bit device	Readout destination bit device
dialog bit mode	a/b
methods	Button operation of a dialog
button No.1 methods	Method to be executed when button No.1 is pressed.
button No.2 methods	Method to be executed when button No.2 is pressed.
button No.3 methods	Method to be executed when button No.3 is pressed.
button No.4 methods	Method to be executed when button No.4 is pressed.
display	Display setting of a dialog
title	Title of a dialog
title size	Character size of a title
title font	Character font of a title
text	Main text of a dialog
text size	Character size of a title
text font	Character font of a title

Property	Description
display	Display setting of a dialog
button 1 label	Character string displayed in " button 1".
button 1 color	Color of button 1
button 2 label	Character string displayed in " button 2".
button 2 color	Color of button 2
button 3 label	Character string displayed in " button 3".
button 3 color	Color of button 3
button 4 label	Character string displayed in " button 4".
button 4 color	Color of button 4
button size	Character size displayed in a dialog.
button fonc	Font of characters

Properties of dialog parts (continued)

Properties of N-state parts

Property	Description
common parameters	Refer to the descriptions of lamp parts.
device	Device allocation setting
host address	
network protocol	Refer to the descriptions of lamp parts.
state device	Word address for referring to the state
animation	Display switch setting by status
design for state #0	Shape displayed when the state device value is 0.
design for state #15	Shape displayed when the state device value is 15.
display	Display settings
title	Title character string of a part
title font	Font of title characters
title size	Size of title characters
placement	Display position of title character string
color	Color of title characters
decoration	Modification of title character string
test	Display confirmation setting when editing a screen.
state	Status display

Property	Description
common parameters	Refer to the descriptions of lamp parts.
device	Device allocation setting
host address	Defer to the descriptions of lamp ports
network protocol	Refer to the descriptions of lamp parts.
measure device	Word device to be referred
display	Display settings
design	Image of a meter
measure	Scaling settings of a meter
input min	Minimum value of input data
input max	Maximum value of input data
display min	Minimum value of display data
display max	Maximum value of display data
hold min	Setting for displaying/hiding hold values on the meter
hold max	Setting for displaying/hiding hold values on the meter
ranges	Settings of low, middle and high ranges of a meter
low range threshold	Threshold of low range
high range threshold	Threshold of high range
low range color	Color of the low range area
middle range color	Color of the middle range area
high range color	Color of the high range area
test	Display confirmation setting when editing a screen.
value	Display value

Properties of meter parts

Properties of line/bar graph parts

Property	Description
common parameters	Refer to the descriptions of lamp parts.
device	Device allocation setting
host address	Refer to the descriptions of lamp parts.
network protocol	
read device	Reference word device of series 1
line color	Line/bar color of series 1
read device	Reference word device of series 2
line color	Line/bar color of series 2
read device	Reference word device of series 3
line color	Line/bar color of series 3

Property	Description
device	Device allocation setting
read device	Reference word device of series 4
line color	Line/bar color of series 4
graph	Graph settings
mode	Graph type
refresh period	Update cycle
max points	Max. number of points
ymin	Minimum value of Y axis
ymax	Maximum value of Y axis
fill color	Background color of a graph
line width	Line width of a line graph (This is not set for bar graphs.)
legend	Display position of a legend
style	Display setting of a graph
tick	X-axis scale settings
interval	Scale interval
color	Color of an axis label
size	Size of an axis label
title	Title setting of a graph
text	Title character string
alignment	Title arrangement
color	Title color
title size	Title size
title font	Title font

Properties of line/bar graph parts (continued)

Property	Description
common parameters	Refer to the descriptions of lamp parts.
device	Device allocation setting
host address	Defende the descriptions of lange parts
network protocol	
graph	Graph settings
mode	Graph type
refresh period	Update cycle
max points	Max. number of points
Zoom controls	Display of the control for magnifying/reducing graphs
fill color	Background color of a graph
selectable sources	This is used to set to enable/disable the switch between displaying and hiding graphs.
grid border color	Color of a graph frame
grid fill color	Background color of a graph
legend	Legend settings
display position	Display position of a legend
overlay display	Unchecked: Legends are always displayed, Checked: Legends are displayed by clicking a graph.
font size	Character size of a legend
xaxis	Horizontal axis settings of a graph
x text size	Character size
x text color	Character color
x tick color	Scale line color
yaxis	Vertical axis settings of a graph
left axis min	Minimum value of the left axis (When this is blank, it is automatically set.)
left axis max	Maximum value of the left axis (When this is blank, it is automatically set.)
left axis type	Graph inerval setting (linear / log10 / log n)
left text size	Character size of the left axis
left text color	Character color of the left axis
left tick color	Scale line color of the left axis
right axis min	Minimum value of the right axis (When this is blank, it is automatically set.)
right axis max	Maximum value of the right axis (When this is blank, it is automatically set.)
right axis type	Graph inerval setting (linear / log10 / log n)
right text size	Character size of the right axis
right text color	Character color of the right axis
right tick color	Scale line color of the right axis

Properties of extended graph parts

= i ioperties of extended graph parts (continued)

Property	Description
title	Refer to the descriptions of line/bar graph parts.
Data source #1 to 8	Data settings for a graph
read device	Monitored worde device
label	Name displayed with a legend
initial visibility	Switches between displaying and hiding data.
interpolation	Enables/disables the interpolation display of data.
yaxis	Selection of data vertical axis (left/right)
display mode	Display type of data (line/symbol/bar/line+symbol)
line	Line width of data
line width	Line color of data
line color	Point or bar color of data
fill color	Point shape of data
symbol	Point size of data
Data source #9 to 16	Refer to the descriptions of data #1 to 8.
Data source #17 to 24	Refer to the descriptions of data #1 to 8.
Data source #25 to 32	Refer to the descriptions of data #1 to 8.

Property	Description
common parameters	Refer to the descriptions of lamp parts.
device	Device allocation setting
host address	Defende the descriptions of laws parts
network protocol	
read device	Readout destination word device
write device	Write destination word device
write index device	Write destination word device for index modification
enable bit device	Bit device for referring to the valid state of operation
enable mode	a/b
notification device	Destination bit device of notice of changes by input
reset notification	Output method of notice of changes
data format	Number format setting
format	Select binary,octal,hexadecimal.
number of digits	Number of digits
zero padding	Pad or not pad upper digits with zeroes.
prefix	Character string added before display values
suffix	Character string added after display values
format	Select decimal.
number of digits	Number of digits
number of decimals	Decimal display digit
zero padding	Pad or not pad upper digits with zeroes.
show plus sign	Display or not display a + sign.
prefix	Character string added before display values
suffix	Character string added after display values
format	Select string 1 / string 2.
max-length	Maximum number of input characters (Size of a character string area when specifying string 2)
prefix	Character string added before display values
suffix	Character string added after display values
text format	Text settings
alignment	Horizontal direction display position of character strings
vertical alignment	Vertical direction display position of character strings
color	Color of the character string
decoration	Modification of the character string
text size	Size of the character string
text font	Font of the character string

Properties of data parts

Property	Description
frame format	Frame settings
fill color	Background color
border style	Border type
border color	Border color
border radius	Rounds the corners of a frame.
border width	Width of a border
shadow pos	Shadow position of a border
shadow dist	Spread of shadow
shadow blur dist	Spread of blur
shadow color	Shadow color
shadow inset	Shadow of concave
ranges	Threshold values of upper and lower limits and display settings
low range threshold	Specify a threshold of low range.
low range text color	Set the font color when an acquired value is in the low range.
low range fill color	Set the background color when an acquired value is in the low range.
low range border color	Set the frame color when an acquired value is in the low range.
high range threshold	Specify a threshold of high range.
high range text color	Set the font color when an acquired value is in the high range.
high range fill color	Set the background color when an acquired value is in the high range.
high range border color	Set the frame color when an acquired value is in the high range.
test	Display confirmation setting when editing a screen.
value	Display value

Properties of data parts (continued)
Property	Description	
common parameters	Refer to the descriptions of lamp parts.	
device	Device allocation setting	
host address	Defer to the descriptions of lamp ports	
network protocol	Refer to the descriptions of lamp parts.	
block id device	Acquisition destination word device of a message definition number	
text format	Refer to the descriptions of data parts.	
scroll	Scroll settings of character strings	
direction	Scroll direction	
delay	Scroll interval	
duration	Scroll time	
duplicated	Repeat of scroll	
pause on mouseover	Pause by mouse	
frame format	Refer to the descriptions of data parts.	
test	Display confirmation setting when editing a screen.	
message	Displayed character string	

Properties of message parts

	Pro	perties	of	media	player	parts
--	-----	---------	----	-------	--------	-------

Property	Description	
common parameters	Refer to the descriptions of lamp parts.	
device	Device allocation setting	
host address	Defende the descriptions of laws north	
network protocol	Refer to the descriptions of lamp parts.	
play bit device	Bit device for starting reproduction	
play bit mode	a/b	
pause bit device	Bit device for pausing reproduction	
pause bit mode	a/b	
stop bit device	Bit device for stopping reproduction	
stop bit mode	a/b	
playback	Control setting of play	
media file	Moving image file to be played	
autoplay	Play/sotp for the initial display	
Іоор	Repeat of play	
manual control	Display/hide the control panel for play.	

Property	Description	
disable frame	Switching of the display frame of camera parts	
common parameters	Refer to the descriptions of lamp parts.	
camera	Camera settings	
model	Camera model setting	
connection method	http://https	
camera address	IP address of a camera	
user ID	User ID of a camera	
password	Password of a camera	
refresh rate	Image update cycle of a camera	
control	Display/hide the control panel for camera.	
controls size	Operation button size of a camera	
Method 1 to 8	Camera operation setting	
control bit	Bit device for starting operation	
preset	Capturing direction setting	
zoom level	zoom-up setting	
brightness	Image brightness setting	
snapshot frame	Label of a shape part saved	
frame format	Refer to the descriptions of data parts.	
title format	Title settings of a camera	
title	Title character string	
title font	Title font	
title size	Title size	
placement	Title arrangement	
color	Title color	
decoration	Title character modification	

Properties of camera parts

Property	Description	
common parameters	Refer to the descriptions of lamp parts.	
text format	Refer to the descriptions of data parts.	
text	Character string	
alignment		
vertical alignment		
color	Defer to the descriptions of data parts	
decoration	Refer to the descriptions of data parts.	
text size		
text font		
scroll	Refer to the descriptions of message parts.	

Properties of text parts

Properties of shapes parts

Property	Description	
common parameters	Common parameters	
horizontal position	X coordinate of the upper left corner of a part.	
vertical position	Y coordinate of the upper left corner of a part.	
width	Width of a part.	
height	Height of a part.	
rotation	Rotation angle of a part (This is not set for linear shapes.)	
label	Item name	
security level	The security level of a parts is set from 0 (low) to 15 (high).	
device	Device allocation setting	
host address		
network protocol		
lamp status		
lamp status mode	Refer to the descriptions of lamp parts.	
blinking		
blinking bit		
blinking bit mode		
switch write device		
switch mode	Poter to the descriptions of quitable parts	
interlock device		
interlock mode	<u> </u>	

Property	Description	
methods	Operation setting when operating shapes	
on methods	Operation when a button is pressed	
off methods	Operation when a button is returned	
sound	Refer to the descriptions of lamp switch parts.	
on display	Display setting when a lamp is on.	
fill color	Color displayed when the lamp status is ON.	
line color	Color of the line displayed when the lamp status is ON.	
line width	Thickness of the line displayed when the lamp status is ON.	
off display	Display setting when a lamp is off.	
on display	Refer to the descriptions of the display of the on state.	
test	Display confirmation setting when editing a screen.	
turn on	Turns ON/OFF a lamp.	

Properties of shapes parts (continued)

5 Overview of FP7 System Web

5.1 Overview of FP7 System Web

■ What is FP7 System Web?

The FP7 system web is a content prepared for the FP7 CPU unit as standard.

The basic information and operation state of FP7 can be monitored on a browser by using this function.

Screen configuration

Screen configuration of FP7 system web

Panasonic		English 3	Logoul
CPU status indication •	Error indication + Data monito	5	T M1.1.1.
del information			
			(4
PLC model	FP7 CPS31ES		0
Additional CODI Lucasian	1.00		
Newest CPU version	4.00		
Communications CPU version	4.00		
Communications CPU version Operation CPU version	4.00 4.00		
Communications CPU version Operation CPU version Communications CPU CRC	4.00 4.00 0x3F25		
Communications CPU version Operation CPU version Communications CPU CRC Operation CPU CRC	4.00 4.00 0x3F25 0x0CA8		
Communications CPU version Operation CPU version Communications CPU CRC Operation CPU CRC Mac address	4.00 4.00 0x3F25 0x5CA8 00-C0-8F-64-07-A5		
Newest CPU version Communications CPU version Operation CPU version Communications CPU CRC Operation CPU CRC Mac address IP address	4.00 4.00 0x3F25 0x0CA8 00-C0-8F-64-07-A5 192.168.1.224		

① Administrator mode : Displays the logged-in user level.

- 1) For administrator: Administrator mode (Blue)
- 2) For user : No indication
- 2 Logout : Returns to the login screen.
- ③Sytem menu : The menu for selecting functions.
- 1) FP7 : Links to our product (FP7) site.

(http://www3.panasonic.biz/ac/j/fasys/plc/plc/fp7/index.jsp)

- 2) CPU status indication : Displays the FP7 model information, operation state and system monitor area.
- 3) Error indication : Displays unit errors and error alarm relays.
- 4) Data monitor : Monitors the data of a specified device.
- ④ Drawing area : Displays the screen of a selected function.
- (5) Change language : Switches the language between Japanese and English.

5.2 Login Screen

It is necessary to log in the FP7 web server before starting the FP7 system web screen.

Enter a user ID (root) and password (pass) on the login screen. *

* When the FP7 unit is password-protected, you can only log in with a registered ID and password.

1. Enter "User ID" and "Password" on the start-up screen and click the Login button.

FP7 Web Server System ×	
← → C 🗋 192.168.1.218/login.html	۳ 😭 =
Panasonic FP7 Web Server System	
Welcome to FP7 Web Server Syste	m
Ver.1.1.0	
User ID	
Password	
Login	
Copyright© Panasonic Industrial De	vices SUNX Co., Ltd. 2014-2015

• When entering Login ID or Password failed;

The following error message is displayed until the third try. "User ID or Password is invalid."

The following error message is displayed from the fourth try. (The system is restored when the unit is rebooted or one hour elapses.) "FP7 was locked because it had failed in log in three times. Please reboot FP7."

• When the entered login ID and password are correct

The initial screen (CPU status indication > Model information) is displayed.

*: It is recommended not to save input information on User ID and Password in browsers for security reasons.

If they are already saved, it is recommended to delete them.

For information on the deletion method, see each browser setting you use.

5.3 CPU status indication > Model information Screen

Displays the information on the FP7 CPU model.

Model information screen

Model information

- 1) PLC model
- : Displays the model name (FP7 CPSxxx).
- 2) Newest CPU version : Displays the latest CPU version.
- 3) Communications CPU version: Displays the communication CPU version.
- 4) Operation CPU version : Displays the operation CPU version.
- 5) Communications CPU CRC : Displays the communication CRC in hexadecimal.
- 6) Operation CPU CRC : Displays the operation CRC in hexadecimal.
- 7) Mac address : Displays the MAC address.
- 8) IP address : Displays the IP address.

5.4 CPU status indication > Operation state Screen

Displays the operating condition of the FP7 CPU unit.

Common function to each screen

Monitor executing/stopped button:

In the case of Monitor executing: Updates and displays data at the interval of one second.

In the case of Monitor stopped: Stops the update processing.

PLCDateTime: The PLD date is displayed by yy/mm/dd (day of the week) and hh:mm:ss.

When selecting " Basic information"



Basic information

When the display content is "Error", "Force", or "Not complete", it is displayed in red.

1) RUN/PROG : Displays the status, running or program mode (RUN/PROG).

2) Program memory to use : Displays the operating program memory (Built-in/SD).

- 3) RTC data : Displays the RTC data (Normal / Error).
- 4) Force flag : Displays the Force flag (Cancel / Force).
- 5) Error batch alarm relay : Displays the Error batch alarm relay (Normal / Error).

6) Power supply unit service life warning : Displays the Power supply unit service life warning (Normal / Error).

- 7-1) RTC backup battery : Displays the battery voltage drop hold (Normal / Error).
- 7-2) RTC backup battery : Displays the battery voltage drop real (Normal / Error).
- 8-1) SNTP time : Displays the update result (Normal / Error).
- 8-2) SNTP time : Displays the update completion (complete / Not complete).

■ When selecting the "Scan time" tab

FP7 Web Server System ×	
← → C 🗋 192.168.3	1.218/sys/sw.html# 😪 🗄
Panasonic	FP7 Web Server System English Ver.1.1.0
FP7 CPU status indi	cation - Error indication - Data monitor
System web / CPU stat	us indication / Operation state
PLC Date Time: 15/08/0	16(Thu) 09:57:33 RUNMode Monitor stopped
Operation state	
Basic information Sca	an time SD card Panasonic SD Logging/Trace Active PB
	Scan time
Current value SD	22 40 μs
Minimum value SD	23 30 µs
Maximum value SD	170 µs

- Scan time
- 1) Current value
- 2) Minimum value
- 3) Maximum value
- : Displays Scan time: Current value (in $\mu s).$
- : Displays Scan time: Current value (in µs).
- : Displays Scan time: Current value (in µs).

■ When selecting the "SD card" tab

FP7 Web Server System ×				
← → C 🗋 192.168.1.218/sys/sw.html#				
Panasonic EP7	Web Se	Administrator mode Logout		
FP7 CPU status indication - Error indication - Data monitor				
System web / CPU status indication / Operation	on state			
PLC Date Time: 15/08/06(Thu) 10:03:43				
Operation state				
Basic information Scan time SD card	Panason	ic SD Logging/Trace Active PB		
Cover	SR30	CLOSE		
SD card inserted	SR31	Inserted		
SD card detection complete	SR32	Complete		
SD card detection results	SR33	Normal		
SD card protection	SR34	Unprotected state		
SD card type	SR35	SDHC		
File system type	SR36	FAT32		
FTP server login status	SR37	Not logged in		
Logging/Trace is being executed	SR38	Stopped		
Logging/Trace being executed	SR39	Stopped		
SD card access instruction	SR3A	Stopped		
SD card access instruction completed	SR3B	Executing		
SD card access instruction execution result	SR3C	Normal		
Power off during SD card access	SR3F	Normal		
Maker code	SM	0002		
Capacity	SM	30.1GB		
Free space	SM	29.9GB		

SD card

When an SD card is "Not inserted", "-" is always displayed after the completion of the recognition of an SD card.

When the recognition of an SD card is "Not complete", "-" is always displayed after the recognition result of an SD card.

Displays the cover state (OPEN/CLOSE).
Displays the mounting state (inserted/Not inserted).
Displays the recognition state (complete/Not complete)
Displays the recognition result (Nomal/Error). (Only Error is displayed in red.) Only when the result is error, the result code is displayed in red hexadecimal.
Displays the protected/unprotected state (Unprotected state / Protected state).
Displays the card type (SD/SDHC).
Displays the file type (FAT16/FAT32).
Displays the login state (Not logged in/Logged in).
Displays the execution state (Executing /Stopped).
Displays the startup state (Executing / Stopped).

11) SD card access instruction:	Displays the instruction state (Executing/Stopped).
12) SD card access instruction completed:	Displays the instruction execution state (Complete/Not complete).
13) SD card access instruction execution result:	Displays the instruction execution result (Normal / Error). Only Error is displayed in red.) Only when the result is error, the result code is displayed in red hexadecimal.
14) Power off during SD card access:	Displays the occurrence state (Normal/Occurred).
15) Maker code:	Displays the Maker code number.
16) Capacity:	Displays the capacity of the SD card (X.XGB).
17) Free space:	Only for FAT32 SD card, displays the empty capacity (X.XGB).

■ When selecting the "PanasonicSD" tab

Panasonic	Web Serve	System		Adm	Engl	ator mode	t ogout Ver 1.1
FP7 CPU status indication + Error indication + Data mo	nitor						
System web / CPU status indication / Operation state							
PLC Date Time: 15/08/06(Thu) 09:52:06			RUN	Mode	Þ	Monitor stop	oped (
SD card lifetime information acquisition time Vendor name	SM307 - SM310 -	Car	d information a	acquired			
No. of rewrites information Ratio of [Average number of rewrites of management blocks] to [Max number of possible rewrites]	SM312 -						
System data							
	SM311 -						
	SM313 -						
	SM314 -						
	SM316 -						
	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1						
	SM320 -						

PanasonicSD

The following SD cards made by Panasonic are supported.

SLC type: FX series, EX series

MLC type: JD series, GD series, PC series

When a supported SD card made by Panasonic is not mounted, "-" is displayed.

Card information acquired

This button is operable only when a supported Panasonic SD card is mounted.

Pressing this button redisplays the latest SD card information after its acquisition.

1) SD card lifetime information acquisition time:	Displays the time that the lifetime information on the SD card is acquired (year, month, day, hour, minute, second).
2) Vendor name:	It is displayed only for "Panasonic".
3) No. of rewrites information:	Displays the number of times that the SD card was rewritten (%).
4) System data:	Displays the system data of the SD card.

■ When selecting the "Logging/Trace" tab

-						r	3	1									elajete	the mode and	
Panasonic							Nob	50	.ve								Engl	sa Ver.1	1
P7 CPU status indication + Em	ir ind	ticati	cri •	- (2814	nor	itor			-								- <u></u> 010000	
ystem web / CPU status indication /	Oper	ation	n sta	ie.															
.C Date Time: 15/08/06(Thu) 09:47:3	37														R	NMode	Þ	Monitor slopped	
aration ofata																			
eration state																			
esc information Scan time SD	cest d	F	ana	100	c 50	1	.099	ng	Trat		Acti	re PO							
And a second second second second										1									
LOG no.	0	1	2	3	4	5	6	7	.8	9	10	11	12	13	14	15			
Logging Trace is being executed		*		1	-		-			-	-		*	-		-			
SD card logging is being executed		•	4	*		4	•	*		٠	*	4							
Logging/trace is complete	.QN	QN	CN	ON	.QN	08	ON.	QN	-QN	ON	ON	-QN	ON	ON	-ÇN	QN			
Logging excessive speed reay																			
Butter overflow		•		.*.		*	٠	۲	1	٠	. •	141		•					
Logging Trace error				1	-		•			-	1			-		100			
No SD card free space	14	۰.	4	*		4	*	*	14	٠		-41	.+		. *	. *			
Device and trigger setting error																			
Tracing stop trigger monitor																			
Trace data has been acquired		•	•	.*		+	٠	•	1			18		•					
	0	9	9	3	3	0	0	0	\$	0	0	2	0	0	.0	8			
Butter free space(K8)	Ģ	9	0	0	9	ŝ.	Ģ	0	÷.	0	0	0	0	Ç	0	0			
Buffer free space X8) Buffer overflow counter	0	0	0	Ģ	0	9	¢	0	9	0	0	÷\$.	0	0	.0	0			
Buffer free space(KB) Buffer overflow counter No. of written records of current file		0	4	0	0	4	Ģ	0	÷	0	0	4	0	0		0			
Buffer Iree space(X8) Buffer overflow counter No. of written records of current file No. of files (generations)	¢									1.2									
Buffer free space (KB) Buffer overflow counter No. of written records of current file No. of files (generations) Oklast time data of file	0																		

• Logging/Trace

Displays the following items 1) to 17) for each LOG number (0 to 15).

1) Logging/Trace is being executed:	Displays if Logging/Trace is executed or not (- / ON).
2) SD card logging is being executed:	Displays if logging is being executed is executed or not (- / ON).
3) Logging/trace is complete:	Displays if Logging/Trace is complete or not (- / ON).
4) Logging excessive speed relay:	Displays if Logging excessive speed relay is executed or not (- $/$ ON).
5) Buffer overflow:	Displays if Buffer overflow is ON or not (- / ON).
6) Logging/Trace error:	Displays if Logging/Trace error occurs or not (- / ON).
7) No SD card free space:	Displays if No SD card free space error occurs or not.
8) Device and trigger setting error:	Displays if Device and trigger setting error occurs or not (- / ON).
9) Tracing stop trigger monitor:	Displays if Tracing stop trigger monitor is enabled or not (- / ON).
10) Trace data has been acquired:	Displays Trace data has been acquired (- / ON).
11) Buffer free space(KB):	Displays the Buffer free space (in KB).
13) Buffer overflow counter:	Displays the number of counters of Buffer overflow.
14) No. of written records of current file:	Displays the No. of written records of current file.
15) No. of files (generations):	Displays the No. of files (generations).
16) Oldest time data of file:	Displays the Oldest time data of file (yy/mm/dd hh:mm:ss).

17) Logging/Trace area D FROM data guarantee flag:

Displays the FROM data guarantee flag.

18) No. of logging trace area Displays the number of rewrite command executions. rewrite command executions:

■ When selecting the "Active PB" tab

			-	-18					_					0
Panasonic			FP	7 W	eb So	erve	r Sy	stem		Ad	lminist Eng	rator r Iish	node Loge	out . 1 .1.
FP7 CPU status ind	ication +	Erro	or indi	catior	n v	Data	a mo	nitor						
System web / CPU sta	tus indicat	tion /	Opera	ation :	state									
			_									١		
PLC Date Time: 15/08/	06(Thu) 0	9:45:2	27						RUN	Mode		мо	nitor stopped	C
O														
Operation state														
Basic information So	an time	SD	card	Pa	nasor	nic SC	5	Loggi	ing/Tr	ace	Acti	ve PB		
Basic information Sc	an time	SD	card	Pa	nasor	nic SE	D	Loggi	ing/Ti	ace	Acti	ve PB		
Basic information Sc No. of registered	an time	SD (card	Pa 2	nasor 3	nic SE 4	5	Loggi 6	ing/Tr	ace 8	Acti	ve PB		
Basic information So No. of registered PBs:2	ean time PB 000	SD (card 1	2	nasor 3 -	1 A	5 -	Loggi 6 –	ing/Ti 7 -	ace 8 -	Activ 9 -	ve PB		
Basic information So No. of registered PBs:2 PB001 - PB099	an time PB 000 010	SD (card 1 •	2 -	nasor 3 - -	nic SE 4 - -	5 - -	Loggi 6 – –	ing/Tr 7 - -	ace 8 -	9 - -	ve PB		
Basic information So No. of registered PBs:2 PB001 - PB099 PB100 - PB199 	an time PB 000 010 020	SD 0 - -	1 - -	Pa 2 - -	nasor 3 - -	4 - - -	5 - - -	Loggi 6 - -	ing/Tı 7 - -	race 8 - -	Acti 9 - -	ve PB		
Basic information Sc No. of registered PBs:2 	an time PB 000 010 020 030 040	SD 0 - - -	1 - -	Pa	nasor 3 - - - -	4 - - -	5 - - -	Loggi 6 - - -	ing/Ti 7 - - -	race 8 - - -	9 - - - -	ve PB		
Basic information So No. of registered PBs:2 	PB 000 010 020 030 040	SD (1 - - -	Pa 2	nasor 3 - - - -	1	5	Loggi 6 - - - -	ing/Ti 7 - - - -	8 - - - -	9 - - - -	ve PB		
Basic information So No. of registered PBs:2 PB001 - PB099 P PB100 - PB199 PB200 - PB299 P PB200 - PB299 PB300 - PB399 P PB400 - PB499 PB400 - PB499	PB 000 010 020 030 040 050	SD (0 	1 - - - -	Pa 2 - - - - -	nasor 3 - - - - -	4 - - - - -	5	Loggi 6 - - - - -	ing/Tr 7 - - - - -	race 8 - - - - -	9 - - - - - -	ve PB	: Executing	
Basic information So No. of registered PBs:2 PB001 - P8099 PB100 - PB199 PB200 - PB299 PB200 - PB399 PB400 - PB399 PB400 - PB499 PB400 - PB499	an time PB 000 010 020 030 040 050 060 070	SD (1 - - - - -	Pa	nasor 3 - - - - - - - -	1	5 - - - - - - - - - -	Loggi - - - - - - - - - - - - - -	ing/Tr 7 - - - - - - - - - - - -	race 8 - - - - - - - - -	9 - - - - - - -	ve PB	: Executing : Stopped	
Basic information So No. of registered PBs:2 PB001 - PB099 PB100 - PB199 PB100 - PB199 PB200 - PB299 PB200 - PB299 PB400 - PB499 PB400 - PB499	an time PB 000 010 020 030 040 050 060 070 080	SD (1 ● - - - - - - - - - -	Pa	nasor 3 - - - - - - - - - - - - -	nic SE 4 - - - - - - - - - - -	5	Loggi 	ing/Tr 7 - - - - - - - - - - - - - - -	race 8 - - - - - - - - - - - -	9 - - - - - - - - - - - - - -	e PB	: Executing : Stopped : Not	

• Active PB

Common specifications in the Active PB card tab

Displays \bigcirc : Executing, \blacksquare : Stopped, $\lceil - \rfloor$: Not registered.

PB0 is not used. (Displayed in light gray)

Radio button for switching the registered PB display

The selected PB range is displayed.

PB001-099: Displays the range of PB001 to PB099.

PB100-199: Displays the range of PB100 to PB199.

PB200-299: Displays the range of PB200 to PB299.

PB300-399: Displays the range of PB300 to PB399.

PB400-499: Displays the range of PB400 to PB499.

5.5 CPU status indication > Project header Screen



Displays the project comment header area of the FP7.

Project header

Displays the CPU project comment set in the FP7.

5.6 CPU status indication > System monitor area Screen

Displays the system monitor area of the FP7.

Common function to each screen: Monitor executing/stopped button:

In the case of Monitor executing: Updates and displays data at the interval of one second.

In the case of Monitor stopped: Stops the update processing.

■ When selecting the "Use History"

	464				-
Panasonic	FP7 Web	Server System		Administrator mode English	Logout Ver 1 1 0
FP7 CPU status indication + Error	indication + Data monitor	our en oppen			
System web / CPU status indication / Sy	stem monitor area				
			Si	we 🕨 Monitor sto	pped 🔘
ystem monitor area					
Use History Voltage Current Te	mperature Power supply	Communication cycle	Interrupt units	Internal Information	
Accumulated energization time	29M33S				
Continuous energization time	28M 45				
No. of power ON	1times				
Latest power-on time	15/08/06 10:13:27				
Latest power-off time	15/08/06 10:13:25				

Use History

1) Accumulated energization time: Displays the accumulated time (day, hour, minute, second).

2) Continuous energization time:

- 3) No. of power ON:
- 4) Latest power-on time:
- 5) Latest power-off time:

Displays the energization time (day, hour, minute, second).

- DN: Displays the No. of power ON.
 - Displays the Latest power-on time(yy/mm/dd hh:mm:ss).
 - Displays the Latest power-off time (yy/mm/dd hh:mm:ss).

When selecting the "Voltage" tab

-		T.d.		
-> C [] 192.1	68.1.218/sys/sw.htm	17		โล
Panasoni	c			Administrator mode Logout
ED7 CDU datus	industing - Error indian	FP7 Web Ser	rver System	cigital ventita
TTT OF COMMUN	indication - Christiania			
System web / CPU	status indication - system	monitor area		
				Save Monitor stopped
system monitor a	area			
	Common Common			Constant of Constant of Constant
Use History Volta	ge Current Tempera	ature Power supply C	ommunication cycle	Interrupt units Internal Information
4			30	
3.5			30	
3.5	-	-	30	
4 3.5 3			25	
4 3.5 3 2.5			30 25 20	
4 35 3 25 2			30 25 20 15	
4 3.5 3 2.5 2			30 	
4 3.5 3 2.5 2 1.5			30 25 20 15 10	
4 35 25 2 15 1			30 25 15 10	
4 35 3 25 2 15 1			30 	
4 3.5 3 2.5 2 1.5 1 0.5			30 	

• Voltage

Common specifications in the Voltage tab

Displays voltage level drop hold values as graphs in red. (Unit: V)

Click the vertical area of a target graph for displaying numerical information.

Numerical information is displayed in the center of the screen. For deleting the display, click the area again.

Battery	
Voltage monitor :	3.276 V
Voltage level drop hold value :	0.183 V
Voltage level drop time :	12/06/02 00:28:50

1) Bt vol current monitor:	Displays the battery voltage.
2) Bt vol level drop hold value:	Displays the level drop hold value.
3) Bt vol level drop time:	Displays the drop time (yy/mm/dd hh:mm:ss).
4) Gold capacitor Voltage monitor:	Displays the gold capacitor voltage.
5) Gold capacitor Voltage level drop hold value:	Displays the level drop hold value.
6) Gold capacitor Voltage monitor:	Displays the drop time (yy/mm/dd hh:mm:ss).
7) S capacitor voltage value:	Displays the S capacitor voltage value.
8) S capacitor voltage error:	Displays the S capacitor voltage abnormal value.
9) S capacitor voltage error detection time:	Displays the error detection time (yy/mm/dd hh:mm:ss).

■ When selecting the "Current" tab

° C 🖸	192.168.1.218/sys/	/sw.html#				
Pana	sonic			Contraction of the local division of the loc	A	dministrator mode Logou
	1		FP7 Web	Server System		English Ver.1
FP7 CPL	status indication - E	Error indication +	Data monitor			
System web	CPU status indication	System monitor	rarea			
					Save	Monitor stopped
ystem mo	nitor area					
lise History	Votage Current	Temperature	Power supply	Communication cycle	Internunt units	Internal Information
use moner)		remperature	Tones supply	oominanii dhon ey ch	manopranas	
500	(9.5		
450	Expansion 1 Current monitor :	0.046 A		0.0		
450	Expansion 1 Current monitor : Peak hold value:	0.046 A 0.051 A				
450 400 350	Expansion 1 Current monitor : Peak hold value: Peak time:	0.046 A 0.051 A 15/08/06 13:58:54		3		
450 400 350 300	Expansion 1 Current monitor : Peak hold value: Peak time:	0.046 A 0.051 A 15/08/06 13:58:54		3 25		
450 400 350 300 250	Expansion 1 Current monitor : Peak hold value: Peak time:	0.046 A 0.051 A 15/08/06 13:58:54		3 25 Variable		;
450 400 350 300 250 200	Expansion 1 Current monitor : Peak hold value: Peak time:	0.046 A 0.051 A 15/08/06 13:58:54		3 25 Variable display]
450 400 350 300 250 200 150	Expansion 1 Current monitor : Peak hold value : Peak time:	0.046 A 0.051 A 15/08/06 13:58:54	1	variable display]
450 400 350 200 150 100	Expansion 1 Current monitor : Peak hold value: Peak time:	0.046 A 0.051 A 15/08/06 13:58:54	1	3 25 Variable display]
450 400 350 250 200 150 50	Expansion 1 Current monitor : Peak hold value: Peak time:	0.046 A 0.051 A 18/08/06 13:58:54		3 25 Variable display −1		

Current

Common specifications in the Current tab

Displays current peak hold values as graphs in red. (Unit: mA for service power supply, A for others)

Click the vertical area of a target graph for displaying numerical information.

Numerical information is displayed in the center of the screen. For deleting the display, click the area again.

Expansion 1	
Current monitor :	0.512 A
Peak hold value :	1.151 A
Peak time :	14/12/22 14:29:55

The current graphs for expansion units (1 to 3) are displayed for the number of connected expansion units. When no expansion unit is connected, the graph is not displayed.

1) Service power supply current monitor:	Displays the service current (Unit: mA).
2) Service power supply peak hold:	Displays the peak hold value.
3) Service power supply peak time:	Displays the peak time (yy/mm/dd hh:mm:ss).
4) I/O bus current monitor:	Displays the I/O bus current (Unit: A).

5) I/O bus peak hold:	Displays the peak hold value.
6) I/O bus peak occurrence time:	Displays the peak time (yy/mm/dd hh:mm:ss).
7) Expansion 1 to 3 current monitor:	Displays the currents of expansion units 1 to 3 (Unit: A).
8) Expansion 1 to 3 current peak hold:	Displays the peak hold values of expansion units 1 to 3.
9) Expansion 1 to 3 peak time:	Displays the peak time of expansion units 1 to 3 (yy/mm/dd hh:mm:ss).

■ When selecting the "Temperature" tab



Temperature

Common specifications in the Temperature tab

Displays temperature peak hold values as graphs in red. (Unit: °C)

Click the vertical area of a target graph for displaying numerical information.

Numerical information is displayed in the center of the screen. For deleting the display, click the area again.

Expansion 1 temperature sensor 1		
Temperature :	26.9 °C	
Peak hold value :	41.4 °C	
Peak time :	12/06/02 00:28:50	

The temperature graphs for expansion units (1 to 3) are displayed for the number of connected expansion units. When no expansion unit is connected, the graph is not displayed.

1) CPU temperature sensor 1:	Displays the temperature sensor 1 (Unit: °C).
2) CPU temperature sensor 1 peak hold:	Displays the peak hold value.
3) CPU temperature sensor 1 peak occurrence time:	Displays the peak time (yy/mm/dd hh:mm:ss).
4) CPU temperature sensor 2:	Displays the temperature sensor 2 (Unit: °C).
5) CPU temperature sensor 2 peak hold:	Displays the peak hold value.

6) CPU temperature sensor 2 peak occurrence time:

7) Expansion 1 to 3 temperature sensor 1:

8) Expansion 1 to 3 temperature sensor 1 peak hold:

9) Expansion 1 to 3 temperature sensor 1 peak occurrence time:

10) Expansion 1 to 3 temperature sensor 2:

11) Expansion 1 to 3 temperature sensor 2 peak hold:

12) Expansion 1 to 3 temperature sensor 2 peak occurrence time:

Displays the peak time (yy/mm/dd hh:mm:ss).

Displays the temperature sensor 1 (Unit: °C).

Displays the peak hold value.

Displays the peak time (yy/mm/dd hh:mm:ss).

Displays the temperature sensor 2 (Unit: °C).

Displays the peak hold value.

Displays the peak time (yy/mm/dd hh:mm:ss).

■ When selecting the "Power supply" tab

C 192	2.168.1.218/sys/sw.	.html#			
Panaso	onic			Ad	ministrator mode Logo
FP7 CPU str	atus indication + Error	FP7 We indication + Data monito	b Server System		English Ver 1
System web / C	PU status indication / Sj	ystem monitor area			
				Save	Monitor stopped
vstem monite	or area				
			-		
USE HISTORY	rottage Current Te	emperature Power supply	Communication cycle	interrupt units 1	nternal Information
Powe	er supply unit (AFP7	7PSA2)			
	Estimated unit lifetime	unit total operating time			
Basic	26944.625H (1122D)	115H (4D)			
	0H (0D)	0H (0D)			
Expansion 1	··· · · · · · · · · · · · · · · · · ·	e display	-		
Expansion 1	Variable	calopidy			
Expansion 1	Variable				
Expansion 1	Variable				
Expansion 1	Variable				
Expansion 1	Variable		1		
Expansion 1	Variable		1		
Expansion 1	Variabl		1		

Power supply

Common specifications in the Power supply tab

The estimated lifetime and total operation time of the power supply unit (AFP7PSA2) attached to expansion units (1 to 3) is displayed for each connected expansion units.

(For inapplicable power supply units, or when the power supply unit is not attached, 0 hour is displayed.)

When no expansion unit is not attached, these items are not displayed.

1) CPU power supply unit lifetime data:	Displays the lifetime data (hour/day).
2) CPU power supply unit total operating time:	Displays the operation time (hour/day).
3) Expansion 1 to 3 power supply unit lifetime data:	Displays the lifetime data (hour/day).
4) Expansion 1 to 3 power supply unit total operating time:	Displays the operation time (hour/day).



When selecting the "Communication cycle" tab

Communication cycle

1) Communication cycle time current value:	Displays the current value of communication cycle time (in 0.1 msec unit).
2) Communication cycle time minimum value:	Displays the minimum value of communication cycle time (in 0.1 msec unit).
3) Communication cycle time maximum value:	Displays the maximum value of communication cycle time (in 0.1 msec unit).

■ When selecting the "Interrupt units" tab



Interrupt units

Common specifications in the Interrupt units tab

The connection information on interrupt units attached to expansion units (1 to 3) is displayed for each connected expansion units.

When no expansion unit is not attached, these items are not displayed.

Interrupt units are displayed as " \blacksquare ", and other units are displayed as "-".

1) Basic 1-16:	Displays the interrupt units of the CPU unit.
2) Expansion 1 17-32:	This is displayed only when the expansion unit 1 is installed.
3) Expansion 2 33-48:	This is displayed only when the expansion unit 2 is installed.
4) Expansion 3 49-64:	This is displayed only when the expansion unit 3 is installed.

C D 192 168 1 218/svs/sw html#		
Panasonic	ALCONO.	Administrator mode Logout
FP7 Web	erver System	English Ver.1.1.
P7 CPU status indication - Error indication - Data monitor		
System web / CPU status indication / System monitor area		
		Save Monitor stopped
stem monitor area		
ise History Voltage Current Temperature Power suppy	Communication cycle Intel	rupt units Internal Information
FROM rewrite sector No	0xf01	
Latest project area FROM data guarantee flag	0x0	
No. of latest project area rewrite command executions	1times	
Latest PRJ comment area FROM data guarantee flag	0x0	
No. of latest PRJ comment area rewrite command executions	5times	
Base project area FROM data guarantee flag	0x0	
No. of base project area rewrite command executions	Otimes	
Base PRJ comment area FROM data guarantee flag	0x0	
No. of base PRJ comment area rewrite command executions	Otimes	
Base project registration flag	Not registered	
System Web Contents area FROM data guarantee flag	0x0	
No. of System Web Contents area rewrite command executions	Otimes	
Contractives Contracts areas COCCU data suspendes das	0x0	
Customer web Contents area FROM data guarantee had	Otimos	
No. of Customer Web Contents area FROM data guarantee hag	2011/69	
Customer Web Contents area FROM data guarantee flag No. of Customer Web Contents area rewrite command executions SSL Certificate Area FROM data guarantee flag	0x0	
Customer web Contents area re-KUM data guarantee hag No. of Customer Web Contents area rewrite command executions SSL Certificate Area FROM data guarantee flag No. of SSL Certificate area rewrite command executions	0x0 Otimes	

When selecting the "Internal Information" tab

Internal Information

It shows the following internal information.

- 1) FROM rewrite sector No.
- 2) Latest project area FROM data guarantee flag
- 3) No. of latest project area rewrite command executions
- 4) Latest PRJ comment area FROM data guarantee flag
- 5) No. of latest PRJ comment area rewrite command executions
- 6) Base project area FROM data guarantee flag
- 7) No. of base project area rewrite command executions
- 8) Base PRJ comment area FROM data guarantee flag
- 9) No. of base PRJ comment area rewrite command executions
- 10) Base project registration flag
- 11) System Web Contents area FROM data guarantee flag
- 12) No. of System Web Contents area rewrite command executions
- 13) Customer Web Contents area FROM data guarantee flag
- 14) No. of Customer Web Contents area rewrite command executions
- 15) SSL Certificate Area FROM data guarantee flag
- 16) No. of SSL Certificate area rewrite command executions
- 17) Number of PBs
- 18) No. of Expansion unit connections (0-3)

5.7 CPU status indication / System history Screen

Displays the system history of the FP7.

Common function to each screen: Monitor executing/stopped button:

In the case of Monitor executing: Performs update processing only once. It returns to the monitoring-stopped state after updating data.

In the case of Monitor stopped: Stops update processing.

"Clear" button

Clears the system history information, and redisplays the list.

"Save" button

Saves the displayed system history information. (CSV format)

When selecting the "Event" tab

🖹 FP7 Web Server System 🗙	
← → C 🗋 192.168.1	1.218/sys/sw.html#
Panasonic	FP7 Web Server System English Ver.1.1.0
FP7 CPU status indica	ation - Error indication - Data monitor
System web / CPU statu	s indication / System history
	Jump Clear Save Monitor stopped
System history	
Event Operation errors	s
2015/08/06 11:13:23 2015/08/06 11:13:17 2015/08/06 11:12:31 2015/08/06 11:02:18 2015/08/06 11:02:18 2015/08/06 11:02:10 2015/08/06 11:02:01 2015/08/06 11:02:00 2015/08/06 11:01:59	Read system history Clear errors Read system history Read system history Operation mode state change Operating mode setting Logging/Trace Registration Download project Download comment
2015/08/06 11:01:58 2015/08/06 11:01:58 2015/08/06 11:01:23 2015/08/06 11:01:19	Operation mode state change Operating mode setting Read system history Read system history
Information details	Detail screen display area
0:PROG 1:RUN 0001	

System history (Event)

It shows the following event history.

- 1) Date and time that an even occurs
- 2) Event name

Clicking the list display shows the detailed information on the event.

"Jump" button

Jumps to the recent event occurred after a specified date and time in the system history.



After clicking "Execute"

FP7 Web Server System >	
← → C 🗋 192.168	.1.218/sys/sw.html# ☆
Panasonic	Administrator mode Logout FP7 Web Server System English Ver.1.1.0
FP7 CPU status indic	ation - Error indication - Data monitor
System web / CPU statu	s indication / System history
	Jump Clear Save Monitor stopped
System history	
Event Operation error	s V
2015/08/06 10:38:18	Operating mode setting
2015/08/06 10:22:44	Operation mode state change
2015/08/06 10:22:44	Logging/Trace Registration
2015/08/06 10:22:44	Download project
2015/08/06 10:22:43	Download comment
2015/08/06 10:22:40	Clear errors
2015/08/06 10:22:29	Write config fixed area
2015/08/06 10:22:10	Operation mode state change
2015/08/06 10:22:10	Operating mode setting
2015/08/06 10:22:09	Logging/Trace Registration
2015/08/06 10:22:09	Download project
2015/08/06 10:22:09	Download comment
2015/08/06 10:15:44	Operation mode state change
Information details	

■ When selecting the "Operation errors" tab

🗅 FP7 Web	Server System ×				
- → C	192.168.1.2	218/sys/sw.html#			\$
Pa	anasonic	FP7 Web S	Server System	Administrat Englisl	or mode Logout
FP7	CPU status indication	on - Error indication -	Data monitor		
System	1 web / CPU status i	ndication / System history			
			Jump Clear	Save	Monitor stopped
System	history				
Event	Operation errors				
Lion	oporation on oro				
Time	stamp C	peration errors Address	PBNo.		
2015	/08/06 11:02:18 2		1		

• System history(Operation errors)

It shows the following event history.

- 1) Timestamp Date and time that an even occurs
- 2) Operation errors Address
- 3) PBNo.

5.8 CPU status indication / EtherNet/IP monitor

Displays the EtherNet/IP monitor of the FP7.

Common function to each screen

"Save" button

Saves the displayed EtherNet/IP monitor information. (CSV format)

When selecting "Node information" tab

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Panasonic						1		100	100												Мл	inis	irator	mod	je	Log	out									
						FP)	We	b Se	rver	s,	ate											Ð	glish			Ver	1.1.1	.0								
FP7 CPU status indication • Er	tor indication	• 0	bata n	nonito	ir		111			-	i)																									
System web / CPU status indication	EtherNet/IP	monito	x.																																	
																				Sa	10	•	N	Ionito	or sta	ppe	d									
herNet/IP monitor																																				
Concernance of the second																																				
Node information Load information	No. of en	TOPS																																		
No. of registered nodes: 1	Node No.	0	1	2	3	4	5	6		7	8	9																								
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Max. registered node number: 7 * 001 - 099 © 100 - 199 © 200 - 256	000 010 020 030 040 050 060 070 060 090		-				•	-	(- - - - - - - -	100 X 100 X 1000	•	୦)ଏ ୦)ଏ ୦)ଏ	ic cor ic cor ic cor	mmu mmu mmu	unic unic unic	atio atio atio	in ni in st in at in ut	orma cop brior	al mai istra	ation	1													
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• Node information (EtherNet/IP operation status monitor)

It shows the following information.

1) No. of registered nodes: (0 to 256)

2) Max. registered node number: (0 to 256)

3) Operation state: (Cyclic communication: ●normal /■stop /■abnormal /- unregistration)

Clicking the list display shows detail information (the following items) in the lower part of the screen.

Node No. , Slot No. , Vendor , Status: Code, contents

When more than one error occurs within one node, the display is switched with "[^] and "^{*} buttons.

The list display is switched by selecting a node range (No. 001-099, 100-199, or 200-256).

• Monitor executing/stopped button

Update processing is performed only once. It returns to the monitoring-stopped state after updating data.

■ When selecting the "Load information" tab

→ C □ 192.168.1.224/sys/sw.html#			5
Panasonic	System	Admir	nistrator mode Logout English Ver 1.1
FP7 CPU status indication - Error indication - Data monitor			
System web / CPU status indication / EtherNet/IP monitor			
		Save	Monitor executing
therNet//P monitor			
Node information Load information No. of errors			
No. of received packets (per second)			
60	Orde communication (nor excend)		
	No. of received nackets:	40	
	No. of transmitted packets:	2	
. ************************************		ā Seconar	
60 55 50 45 40 25 20 25 20 15 10 5 (Communication other than the cyclic ()	per second)	
No of transmitted parkets (per second)	No. of received packets:	2	
P	No. of transmitted packets:	2	
Color communication	No. of receive buffer overflows:	0	
<u> </u>	No. of received error packets:	0	
	No. of failed transmitted packets:	0	

• Load information (EtherNet/IP operation status monitor) It shows the following information.

Cyclic communication No. of received packets (per second)

Cyclic communication No. of transmitted packets (per second)

Communication other than the cyclic (per second)

No. of received packets

No. of transmitted packets

No. of receive buffer overflows

No. of received error packets

No. of failed transmitted packets

It shows the following information graphically.

- No. of received packets (per second):
Cyclic /
Others

- No. of transmitted packets (per second):
Cyclic /
Others

Horizontal axis: Scaled at the interval of one second. Shifted to the left after displaying the whole graph.

Vertical axis: Automatically adjusted according to the number of packets.

* The graph is reset by switching the tab or starting monitoring.

• Monitor executing/stopped button

In the case of Monitor executing: Updates and displays data at the interval of one second.

In the case of Monitor stopped: Stops update processing.

■ When selecting the "No. of errors" tab

P7 Web Serve	r Systen 🗴 🔚			
C D	192.168.1.224/sys/sw.html	1#		
Pana	sonic	FP7 Web Server S	A	dministrator mode Log English Ver
FP7 CPU	status indication - Error indica	ation + Data monitor	4.644.644	
System web	CPU status indication / EtherNe	et/IP monitor		
			Sav	Monitor stopped
therNet/IP	monitor			
uner Neure	monitor			
Node Informa	ation Load Information No. (of errors		
Node	No. of timeouts			
5	0			
6	0			
\$0 J				

• No. of errors (EtherNet/IP operation status monitor)

It shows the following information.

- 1) Node No..
- 2) No. of timeouts

* The number of communication errors is displayed for each node. The display varies according to the number of registered nodes.

Monitor executing/stopped button

Update processing is performed only once. It returns to the monitoring-stopped state after updating data.

5.9 Error indication > Unit error Screen

Displays unit errors of the FP7.

Common functions in the error indication tab

Monitor executing/stopped button:

In the case of Monitor executing: Updates and displays data at the interval of one second.

In the case of Monitor stopped: Stops update processing.

Unit error screen

FP7 Web Server System x
← → C 192.168.1.218/sys/sw.html#
Panasonic Administrator mode Logout
FP7 CPU status indication - Error indication - Data monitor
System web / Error indication / Unit error
Clear errors Save Monitor stopped
Unit error
Self_diagnostic Error Detail CPU hardware 1 Normal Detail CPU hardware 2 Normal Unit alarm Unit alarm Normal Unit varining Unit warning Normal Unit varification Unit varification Error 15/08/06 10:15:43 Unit installation restriction Normal Syntax check Normal Operation Normal
Unit verification Detail screen display area X
Verify method Verify with registered information Slot1 No unit information Error

Common specifications of Unit error

For "Error" or "Occurred";

Warnings are displayed in blue, and others are displayed in red.

Displays the first occurrence time (yy/mm/dd hh:mm:ss).

* Excluding "Self-diagnostic, and Unit installation restriction"

Click the "Detail" link to display the detail of the error.

"Clear errors" button

Clears unit errors, and redisplays the list.

"Save" button

Saves the displayed unit error data. (CSV format)

1) Self_diagnostic:	Displays the Self_diagnostic state (Normal/Error).
2) CPU hardware 1:	Displays the CPU hardware 1 state (Normal/ Error).
3) CPU hardware 2:	Displays the CPU hardware 2state (Normal/ Error).
4) Unit alarm:	Displays the Unit alarm state (Normal/ Error).
5) Unit error:	Displays the Unit error state (Normal/ Error).
6) Unit warning:	Displays the Unit warning state (Normal/ Error).
7) Unit verification:	Displays the Unit verification state (Normal/ Error).
8) Unit installation restriction:	Displays the Unit installation restriction state (Normal/ Error).
9) Syntax check:	Displays the Syntax check state (Normal/ Error).
10) Operation:	Displays the Operationstate (Normal/ Error).

5.10 Error indication > Error alarm relay Screen

Displays the list of error alarm relays of the FP7.

• Error alarm relay screen

Tuniconio		Wab Saryar System		Administ	rator mode Logout
FP7 CPU status indication	on + Error indication + Data m	ronitor			
System web / Error indicat	ion / Error alarm relay				
		Clear Oldest Error	Clear All Errors	Save 🕨	Monitor stopped
Error alarm relay number (chronological order)	E1 E12				
	E234				
	E3456 E456				
	E3456 E456				

Dedicated functions of Error alarm relay

"Clear All Errors" button

Clears all error alarm relays, and redisplays the list.

"Clear Oldest Error" button

Clears the oldest error alarm relay, and redisplays the list.

"Save" button

Saves the displayed error alarm relay data in CSV format.

1) Number of error alarms:	Displays the number of error alarms (max. 19 alarms).
2) Oldest occurrence date:	Time of the first error alarm relay turned ON. Displays (yy/mm/dd hh:mm:ss).
3) Error alarm relay number (Occurrence order):	Displays the error alarm relay number turned ON. (First, second, third,, eighteenth, nineteenth)
5.11 Data monitor Screen

Displays the list of monitored device information of the FP7.

Data monitor screen

	: []	192.168.:	1.218/sys/sw.html#			
P	ana	I SONIC	FP7 Web Server System	Adı	ministrator mo English	Ver.1.
ysten	n web	/ Data moni	tor			
ata	moni	itor			Monit	tor stopped (
Monit	tor					
A	Add de	evice Delet	te			
				Data		
	Dev	/ice	Current value	type	Comment	Edit
	G	WX0	16321	SS		Device
	G	WY1	111	SS		Device
	G	WR0	2262	UL		Device
						Device
	G	WR1	0	US		Device
	G G	WR1 DT7	0 123	US SS		Device
	G G G	WR1 DT7 DT8	0 123 456	US SS SS		Device Device
	G G G	WR1 DT7 DT8 DT9	0 123 456 789	US SS SS SS		Device Device Device
	G G G G	WR1 DT7 DT8 DT9 DT0	0 123 456 789 08FE	US SS SS SS 16HEX		Device Device Device Device
	G G G G G	WR1 DT7 DT8 DT9 DT0 DT0	0 123 456 789 08FE 000008FE	US SS SS 16HEX 32HEX		Device Device Device Device Device Device
	G G G G G G	WR1 DT7 DT8 DT9 DT0 DT0 DT0 DT0	0 123 456 789 08FE 000008FE 0000 1000 1111 1110	US SS SS 16HEX 32HEX 16BIT		Device Device Device Device Device Device Device

• Dedicated functions of Data monitor "Monitor executing/stopped" button

In the case of Monitor executing: Updates and displays data in a best-effort way.

In the case of Monitor stopped: Stops update processing.

"Add device" button

Pops up the window for adding a device.

Add device		
Туре	Global •]
Device type No.	0 VVX •	(0-511)
Data type	SS 🔻	
Number of continuous registrations	1	(1-512)
ОК	Cancel	

"Delete" button

Deletes the line of the device checked in the check box from the list.

"Device" button

Pops up the window for editing a device.

Change device							
Type Device type No. Data type	Global WX 0 SS	▼ ▼ (0-511) ▼					
[OK	Cancel					

Selectable device types are as follows.

Device type: WX, WY, WR, WL, WS, TS, TE, CS, CE, SD, DT, LD

Selectable data types are as follows.

Data type: SS, US, SL, UL, 16HEX, 32HEX

1) Device:	Displays the selected device. G: Global device SLT12: Unit device (slot 12) * PB1: Local device (PT1) *	
	* Only global device (data) can be selected.	
2) Current value:	Current value of the selected device. Displays the update while monitoring is being executed.	
3) Data type:	Displays the specified data type.	
4) Comment:	Displays the device comment.	
	* There is no comment display function.	
5) Edit:	Displays the button for editing devices for each monitor data.	

Please contact

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