

Figure 5.11 Ethernet connection

You can also connect the Ethernet port to a hub or switch by using a network cable, implementing multi-point connection.

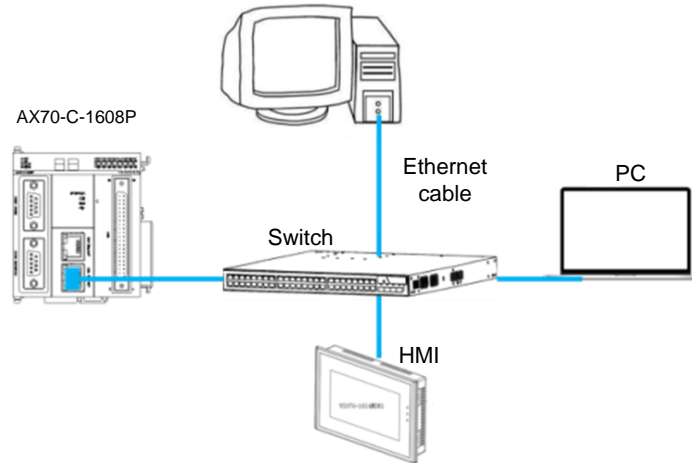


Figure 5.12 Ethernet networking

Cable selection

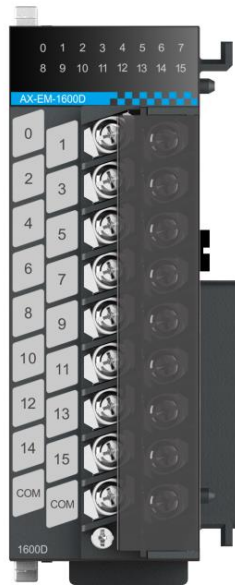
To improve communication reliability, use shielded twisted-pair cables of category 5 or higher as Ethernet cables. The cables in INVT AX series options are recommended.

Option	Model	Specifications
Shielded cable for communication	AX-L3-20	Shielded cable for communication, L=2m; AX-L3-20; RoHS
Shielded cable for communication	AX-L3-50	Shielded cable for communication, L=5m; AX-L3-50; RoHS

5.4 Wiring expansion modules

5.4.1 AX-EM-1600D digital input module

The wiring terminals of AX-EM-1600D digital input module are shown in the following figure. This module supports 16 digital inputs of the source or sink type, and uses internal 5V power supply without the connection to an external power supply.



The terminal wiring is as follows:

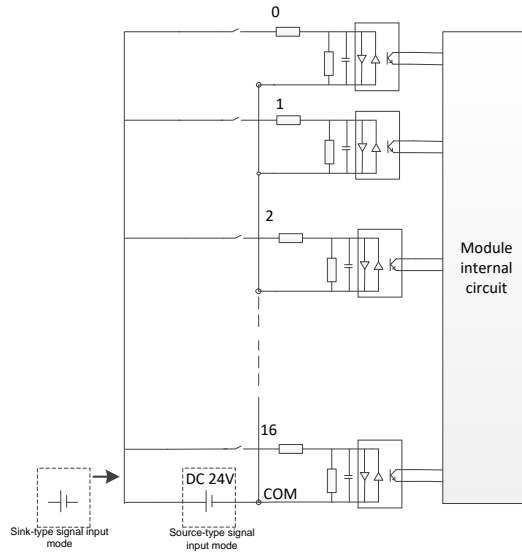


Figure 5.13 AX-EM-1600D terminal wiring

Note:

- The module needs to be installed on a properly-grounded metal bracket, and the metal dome at the module bottom must be in good contact with the bracket.
- Do not bind the digital input cable together with the AC cable, main circuit cable, or high-voltage cable. Otherwise, the binding can increase noise, surge, and induction impact. When using shielded cables, use single-point grounding for the shield layer.

5.4.2 AX-EM-0016DP digital output module

The wiring terminals of AX-EM-0016DP digital output module are shown in the following figure. This module supports 16 digital outputs of the source type, and uses an external 24VDC power supply.