

Profinet Remote IO Module Selection

Profinet Remote IO Module

Profinet Remote IO module supports for 200smart S7-1200 S7-1500 Profinet Expansion Module HJ1...

<https://www.lollette.com/plc-profinet-remote-module>



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|--------------------------------|--|
| Protocol | Profinet, Modbus TCP |
| Network Port | 3 *100M ports, switch function |
| 485 Gateway | 2 channels, support 485 to PROFINET function |
| Terminal | Quick connect terminal |
| Digital Input | PNP/NPN auto-adaptation |
| Digital Output | PNP 0.5A, |
| Analog Current | 0-20mA:0-20000/4-20mA:4000-20000 |
| Analog Voltage | 0-10V:0-10000 |
| Analog Accuracy | 1/1000 |
| Temperature Thermal Resistance | PT100/PT1000, accuracy \pm 0.1° |
| Temperature Thermocouple | B/J/K/R/S/N , accuracy \pm 0.1° |
| Dimensions | 45x108x125mm(W x D x H) with terminal rails |
| Working Temperature | -20-50° |
| Power Supply | 24V |
| Material | Metal |
| Installation method | Guide rail |

PROFINET Distributed IO

| Model | Digital Input | Digital Output 0.5A | Analog Input | Analog Output | Temperature RTD/RTC | 485 Gateway | Price |
|------------|---------------|---------------------|--------------|---------------|--------------------------|-------------|-------|
| HJ5203 | 16 | 16 Transistors | — | — | — | 2 | |
| HJ5206 | X | 32 Transistors PNP | — | — | — | 2 | |
| HJ5207 | 32 | — | — | — | — | 2 | |
| HJ5208 | 8 | 8 | 8 | 4 | — | 2 | |
| HJ5209 A | — | — | 8 | — | — | 2 | |
| HJ5209 B | — | — | 8 | 8 | — | 2 | |
| HJ5209 C | — | — | 16 | — | — | 2 | |
| HJ5209 D | — | — | 8 | — | 8 | 2 | |
| HJ5209 H | — | — | — | 8 | — | 2 | |
| HJ5209 Q | — | — | 32 | — | — | 2 | |
| HJ5209 S | — | — | 16 | 8 | — | 2 | |
| HJ5209 D | — | — | 8 | — | 8 Channel 3-wire PT100 | 2 | |
| HJ5209 P16 | — | — | — | — | 16 Channel 3-wire PT100 | 2 | |
| HJ5209 K16 | — | — | — | — | 16 Channel thermocouples | 2 | |



| | |
|--------------------------------|---|
| Terminal | Quick connect terminal |
| Address | DIP switch dial code |
| Digital Input | PNP/NPN auto-adaptation |
| Digital Output | PNP 0.5A, |
| Analog Current | 0–20mA:0–20000/4–20mA:4000–20000 |
| Analog Voltage | 0–10V:0–10000 |
| Analog Accuracy | 1/1000 |
| Temperature Thermal Resistance | PT100/PT1000, accuracy±0.1° |
| Temperature Thermocouple | B/J/K/R/S/N , accuracy±0.1° |
| Dimensions | 34x108x125mm(W x D x H) with terminal rails |
| Working Temperature | –20–50° |
| Power Supply | 24V |
| Material | Metal |
| Installation method | Guide rail |

Expansion IO Module

| Model | Digital Input | Digital output 0.5A | Analog input | Analog output | Temperature | Price |
|------------|---------------|---------------------|--------------|---------------|----------------------|-------|
| HJ2003 | 16 | 16 | — | — | — | |
| HJ2006 | — | 32 | — | — | — | |
| HJ2007 | 32 | — | — | — | — | |
| HJ2009A | — | — | 8 | — | — | |
| HJ2009B | — | — | 8 | 8 | — | |
| HJ2009C | — | — | 16 | — | | |
| HJ2009D | — | — | 8 | — | 8 Channel 3-wire RTD | |
| HJ2009H | — | — | — | 8 | — | |
| HJ2009P | — | — | — | — | 8 Channel RTD | |
| HJ2009K | — | — | — | — | 8 Channel RTC | |
| HJ2009P 16 | — | — | — | — | 16 Channel RTD | |
| HJ2009K 16 | — | — | — | — | 16 Channel RTC | |

Expansion IO module: It can only be connected behind PN distributed IO module for point expansion, and each profinet IO module can be connected with up to 6 expansion IO modules

PN gateway: modbus RTU to profinet485, profinet to Modbus RTU485



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|--------------------------------|---|
| Protocol | Profinet, Modbus TCP |
| Network Port | 2*100M ports, switch function |
| 485 Gateway | 1 channels, support 485 to PROFINET |
| Terminal | Plug-in terminal |
| Digital Input | PNP/NPN auto-adaptation |
| Digital Output | 2A, |
| Analog Current | 0–20mA:0–20000/4–20mA:4000–20000 |
| Analog Voltage | 0–10V:0–10000 |
| Analog Accuracy | 1/1000 |
| Temperature Thermal Resistance | PT100/PT1000, accuracy±0.1° |
| Temperature Thermocouple | B/J/K/R/S/N , accuracy±0.1° |
| Dimensions | 160x50x105mm(W x D x H) with terminal rails |
| Working Temperature | –20–50° |
| Power Supply | 24V |
| Material | Fire-resistant engineering plastics |
| Installation method | Guide rail |

PROFINET Distributed IO

| Model | Digital Input | Digital Output 0.5A | Analog Input | Analog Output | Temperature | 485 Gateway | Price |
|---------|---------------|---------------------|--------------|---------------|----------------------|-------------|-------|
| HJ3204 | 16 | 14 Relay | 4 | — | — | 1 | |
| HJ3206R | | 32 Relay | | — | — | 1 | |
| HJ3210A | 16 | 12 Transistors PNP | 6 | — | — | 1 | |
| HJ3210B | 16 | 12 Transistors PNP | 6 | 6 | — | 1 | |
| HJ3210C | 16 | 12 Transistors PNP | 4 | 2 | — | 1 | |
| HJ3210D | 16 | 12 Transistors PNP | 2 | 4 | — | 1 | |
| HJ3210E | 16 | 12 Transistors PNP | 2 | 2 | 2 Channel RTD 2-wire | 1 | |
| HJ3210F | 16 | 12 Transistors PNP | 2 | — | 2 Channel RTD 3-wire | 1 | |
| HJ3202 | 8 | 8 Transistors PNP | — | — | 105x50x105mm | | |
| HJ3202N | 8 | 8 Transistors PNP | — | — | 105x50x105mm | — | |



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|---------------------|--|
| Product name | PROFINET Gateway |
| Protocol | Profinet, Modbus TCP |
| Function | RTU to profinet/profinet to RTU/RTU to TCP |
| Network Port | 2*100M ports, switch function |
| 485 Gateway | 2 channels, support 485 to PROFINET function |
| Number of channels | 130 read and write modbus commands |
| Terminal | Plug-in terminal |
| Dimensions | 28x89x135mm(W x D x H) with terminal rails |
| Working Temperature | -20-50° |
| Power Supply | 24V |
| Material | Metal |
| Installation method | Guide rail |

PROFINET Gateway

| | | |
|--------|---|--|
| HJ6302 | 2 channels 485 rpm profinet, data concurrent, | |
| HJ6307 | 7 channels 485 rpm profinet, data concurrent, faster speed | |
| HJ6311 | 11 channels 485 rpm profinet, data concurrent, faster speed | |

