

PM-7200 Series

Gigabit and Fast Ethernet modules for PT and IKS series rackmount Ethernet switches

Specifications

Gigabit Ethernet Interface Modules, PM-7200-2G/4G Series



Interface

RJ45 Ports: 10/100/1000BaseT(X) auto negotiation speed, and auto MDI/MDI-X connection

Fiber Ports: 1000BaseSFP slots

Note: The PM-7200-2G/4G series Gigabit Ethernet combo modules support 2 or 4 SFP slots. See the SFP-1G series Gigabit Ethernet information below to select the modules for your application.

Fast Ethernet Interface Modules, PM-7200 Series



*See the SFP-1FE series Fast Ethernet information below to select modules for your system.

Interface

RJ45 Ports: 10/100BaseT(X) auto negotiation speed, F/H duplex mode, and auto MDI/MDI-X connection
Fiber Ports: 100BaseFX ports (SC/ST/MTRJ or SFP LC connector)
M12 Ports: 10/100BaseT(X) auto negotiation speed, and auto MDI/MDI-X connection
BNC Ports: Time clock signal PPS (pulses per second) output for IEEE 1588 time synchronization

Optical Fiber

| | 100BaseFX | | | 10BaseFL |
|------------------|--|--------------------|--------------------|---------------------|
| | Multi-mode | Single-mode | Single-mode, 80 km | Multi-mode |
| Wave-length | 1300 nm | 1310 nm | 1550 nm | 820 nm |
| Max. TX | -10 dBm | 0 dBm | 0 dBm | -7 dBm |
| Min. TX | -20 dBm | -5 dBm | -5 dBm | -16 dBm |
| RX Sensitivity | -32 dBm | -34 dBm | -34 dBm | -34 dBm |
| Link Budget | 12 dB | 29 dB | 29 dB | 18 dB |
| Typical Distance | 5 km ^a 4 km ^b | 40 km ^c | 80 km ^d | 2.7 km ^e |
| Saturation | -6 dBm | -3 dBm | -3 dBm | - |

- a. 50/125 μm, 800 MHz*km fiber optic cable
- b. 62.5/125 μm, 500 MHz*km fiber optic cable
- c. 9/125 μm single-mode fiber optic cable
- d. 9/125 μm single-mode fiber optic cable (80 km)
- e. Based on the 20 MBd data rate

Ordering Information

Rackmount Ethernet Switch System and Interface Module Compatibility Chart

Modular Rackmount Ethernet Switch System:

PT-7828/PT-7728-PTP/
PT-7728

PT-7710

IKS-6324



| | IEEE 1588 Interface Modules | Interface Modules | | | | | | | | | | | | | | | | | | | | | | | |
|--------------------|-----------------------------|-------------------|------------------|------------------|----------------------|-----------------|-----------------|-------------------|-------------------|--------------|-------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|--------------|--------------|--------------|---------------|--------------|---------------|-----------------|---|
| | | PM-7200-4TX-PTP | PM-7200-4MSC-PTP | PM-7200-4MST-PTP | PM-7200-1BNC2MST-PTP | PM-7200-4GTXSFP | PM-7200-2GTXSFP | PM-7200-1MSC/2MSC | PM-7200-1MST/2MST | PM-7200-2SSC | PM-7200-8TX | PM-7200-2MSC4TX | PM-7200-2MST4TX | PM-7200-2SSC4TX | PM-7200-4MSC2TX | PM-7200-4MST2TX | PM-7200-4SSC2TX | PM-7200-6MSC | PM-7200-6MST | PM-7200-6SSC | PM-7200-8SFP* | PM-7200-4M12 | PM-7200-8MTRJ | PM-7200-4MST-FL | |
| PT-7828 PT-7728 | Slots 1-3 | - | - | - | - | - | - | - | - | - | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| | Slot 4 | - | - | - | - | ✓ | ✓ | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| PT-7728-PTP | Slots 1-3 | ✓ | ✓ | ✓ | - | - | - | - | - | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| | Slot 4 | - | - | - | ✓ | ✓ | ✓ | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| PT-7710 | Slot 1 | - | - | - | - | - | - | - | - | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| | Slot 2 | - | - | - | - | - | ✓ | ✓ | ✓ | ✓ | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| IKS-6324 | Slot 1 | - | - | - | - | - | ✓ | ✓ | ✓ | ✓ | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |

Gigabit Ethernet Modules, PM-7200-2G/4G Series

| Available Models | Port Interface |
|------------------|---|
| | Combo Port, 10/100/1000BaseT(X) or 1000BaseSFP* |
| PM-7200-2GTXSFP | 2 |
| PM-7200-4GTXSFP | 4 |

*The PM-7200-2G/4G series Gigabit Ethernet combo modules support 2 or 4 SFP slots.

Fast Ethernet Modules, PM-7200 Series

| Available Models | Port Interface | | | | | | | | | |
|-----------------------|----------------|-----|-----------------------------|-----------------------------|-----------------------------|----------------------------------|------------------------------|--|------------|------------------------------|
| | 10/100BaseT(X) | | 10BaseFL | 100BaseFX | | | | | 100BaseSFP | PPS output, BNC connector |
| | TP | M12 | Multi-mode, ST Connector | Multi-mode, SC Connector | Multi-mode, ST Connector | Multi-mode, MTRJ Connector | Single mode, SC Connector | Single mode, SC Connector, 80 km | | |
| PM-7200-8TX | 8 | – | – | – | – | – | – | – | – | – |
| PM-7200-6MSC | – | – | – | 6 | – | – | – | – | – | – |
| PM-7200-6MST | – | – | – | – | 6 | – | – | – | – | – |
| PM-7200-6SSC | – | – | – | – | – | – | 6 | – | – | – |
| PM-7200-4MSC2TX | 2 | – | – | 4 | – | – | – | – | – | – |
| PM-7200-4MST2TX | 2 | – | – | – | 4 | – | – | – | – | – |
| PM-7200-4SSC2TX | 2 | – | – | – | – | – | 4 | – | – | – |
| PM-7200-2MSC4TX | 4 | – | – | 2 | – | – | – | – | – | – |
| PM-7200-2MST4TX | 4 | – | – | – | 2 | – | – | – | – | – |
| PM-7200-2SSC4TX | 4 | – | – | – | – | – | 2 | – | – | – |
| PM-7200-2MSC | – | – | – | 2 | – | – | – | – | – | – |
| PM-7200-2MST | – | – | – | – | 2 | – | – | – | – | – |
| PM-7200-2SSC | – | – | – | – | – | – | 2 | – | – | – |
| PM-7200-1MSC | – | – | – | 1 | – | – | – | – | – | – |
| PM-7200-1MST | – | – | – | – | 1 | – | – | – | – | – |
| PM-7200-8SFP | – | – | – | – | – | – | – | – | 8 | – |
| PM-7200-4M12 | – | 4 | – | – | – | – | – | – | – | – |
| PM-7200-8MTRJ | – | – | – | – | – | 8 | – | – | – | – |
| PM-7200-4MST-FL | – | – | 4 | – | – | – | – | – | – | – |
| PM-7200-4TX-PTP | 4 | – | – | – | – | – | – | – | – | – |
| PM-7200-4MSC-PTP | – | – | – | 4 | – | – | – | – | – | – |
| PM-7200-4MST-PTP | – | – | – | – | 4 | – | – | – | – | – |
| PM-7200-1BNC-2MST-PTP | – | – | – | – | 2 | – | – | – | – | 1 |

Package Checklist

- PM-7200 interface modules
- Warranty card