

Industrial PoE + Media Converters

PIMC-2GB-2SFP



The PIMC-2GB-2SFP is a 2-port 10/100/1000BASE-T + 2-port 1000BASE SFP Ethernet Switch with PoE+

The PIMC-2GB-2SFP is a Hardened Ethernet switch which provides 2 port 10/100/1000Base-TX + 2x1000Base-FX SFP port. The 10/100/1000Base-TX ports supports PoE+ (Power Sourcing Equipment) and compliant with IEEE 802.3at. The PIMC-2GB-2SFP complies with the following specification;

- IEEE 802.3 10Base-T,
- IEEE802.3u 100Base-TX/FX,
- IEEE 802.3x,
- IEEE802.3at. and IEEE802.3at Power over Ethernet

The PIMC 2GB 2 SFP will provide PoE power to any IEEE802.3at/af compliant network devices. It supports IGMP snooping which significantly saves the network bandwidth and reduces network load. With its reliable design and ease of use, the PIMC 2GB 2SFP is a great choice for integrating networks consisting of network devices such as IP cameras and wireless access points between remote locations.



Features

- 2x10/100/1000Base-TX + 2x1000Base-FX SFP
- Automatically support IGMP (Multicasting)
- 2 x 10/100/1000Mbps RJ45 Port Supports Full/Half-duplex,
- Auto-negotiation, Auto MDI/MDIX
- Supports IEEE 802.3at PoE+ (30W)
- Supports external 1000Base SFP
- Supports Light Hardware IGMP V1, V2, V3
- Supports Broadcast Storm Control
- Supports 802.3x Flow control
- 1M bits frame buffer memory
- Supports 9K Bytes Jumbo Frame
- Supports Relay output for Power failure & port failure alarm
- Supports Wall-mount and DIN-Rail installation
- Redundant Power Inputs
- Environmentally hardened -40°C to 80°C

FACT SHEET

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Technical Specifications

| | |
|---------------------------|--|
| Ethernet Standards | IEEE802.3 10Base-T, IEEE802.3u 100Base-TX IEEE802.3ab 1000Base-T, IEEE802.3z 1000Base-X IEEE802.3af Power over Ethernet, IEEE802.3at Power over Ethernet IEEE802.1d Spanning Tree |
| Forward & Filtering Rate: | 14,880pps (10Mbps), 148,800pps (100Mbps), 1,488,000pps (1000Mbps) |
| Packet Buffer Memory: | 1 M Bit |
| Processing Type: | Store-and-Forward |
| Max Packet Length: | 9K Bytes Jumbo Frame |
| Address Table Size: | 2048 MAC Addresses |
| Connector: | 2 x RJ 45 |
| Fibre | 2 x SFP 1000Base-X |

Environmental

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|-------------------------|--|
| Power Input | Dual 48~57VDC (Terminal Block) |
| Consumption | 65W Max (Converter plus dual PoE+ ports in use) 5W Max. 0.1A@48VDC Converter only not using PoE |
| Dimensions (H x D x W): | 148 x 120 x 31 mm |
| Weight | 0.4Kg |
| Housing / Installation | IP 40 Metal Housing |
| Operating Temperature | Environmentally hardened -40°C to 80°C |
| Installation | DIN-Rail / Wall-mount |

Power Over Ethernet

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|------------------------|---------------------------------------|
| PoE Standards | IEEE802.3at |
| Ports | RJ45 Port 1 and RJ45 Port 2 |
| Maximum power per port | 30W Max per port (Alternative B Mode) |

Protection:

| | |
|-----------------------------|--------------------------------------|
| Power Input Overload: | Automatic Resettable |
| Reverse Polarity Protection | Present |
| Surge Protection: | RJ45: 1KV Power 500W |
| Regulatory Approvals | EN55022 Class A, FCC part 15 Class A |

LED Indicators:

| | |
|---------------------|-----------------------|
| Power | Power1, Power2 Status |
| PoE | Per Port Status |
| Ethernet(Per Port): | Link/Activity |
| SFP: | Link |

Regulatory

EMI: FCC Part 15 Subpart B Class A, EN 55022 Class A
EMS: EN61000-4-2 (ESD) , Level 3, EN61000-4-3 (RS) , Level 3, EN61000-4-4 (EFT) , Level 3
EN61000-4-5 (Surge), Level 3, EN61000-4-6 (CS) , Level 3, EN61000-4-8, Level 3
Shock IEC 60068-2-27 **Free Fall:** IEC 60068-2-32

Ordering Options

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|---------------|--|
| PIMC-2GB-2SFP | Industrial PoE Media Converter 1 Gigabit PoE port, 2 x SFP ports |
| SFP Modules | SFP module is to be purchased separately. |
| Power Supply | 48vdc power supply purchased separately |