

MEDIA CONVERTER



PD2-H02-FLxx-1000

10/100/1000BASE-Tx to 1000BASE-Fx Media Converter

DESCRIPTION

- The PD2-H02-FLxx-1000 series comply with IEEE 802.3/ab Gigabit Ethernet standard. It supports two types of media for network connection such as 10/100/1000 Base-T to 1000 Base SX/LX and connects these two types of segments to operate smoothly PD2-H02-FLxx-1000 series can be used in 16 slot chassis as plug in module PD2-H02-FLxx-1000 series Fiber Media Converter transforms 1000Base-T (Copper Gigabit) media to 1000Base-SX/LX (Fiber Gigabit) media and vice versa. The 1000Base-T port supports full-duplex Gigabit connection at wire speed with RJ45 connector. The fiber Gigabit connection supports shortwave (SX) or long wave (LX) laser optic with multi-mode or single-mode SC type connector.
- This converter will give your Copper Gigabit connection the ability to interface with fiber connection over a distance up to 80 km! 10/100/1000 means, that media converter that converts the electrical signal of a 10/100/1000 Ethernet signal from copper to fiber. This solution will offer a low-cost integration option for network managers who want to migrate from 10/100 networks to Gigabit Ethernet. Gigabit only switches can now be connected to 10/100 networks without the need to upgrade the 10/100 side, allowing network managers to add new equipment gradually.

FEATURES

- Complies with IEEE 802.3, IEEE 802.3u, IEEE802.3z, IEEE802.3ab, IEEE 802.3x auto-negotiation.
- Works at 10Mbps or 100Mbps, full or half-duplex mode, or 1000Mbps full-duplex mode.
- Extends distances ranging from 550m(multi-mode fiber) to 120km(single-mode fiber).
- Supports auto MDI/MDIX function.
- Status LED for easy monitoring of device status.
- Supports jumbo frame size 9K bytes.
- Supports independent LFP function.
- Supports 802.3ah OAM In-band management for monitoring connection status.
- Supports IEEE 802.1Q VLAN tag.
- External power supply.
- FCC Class A & CE approved.

SPECIFICATIONS

- Interface 1 x Ethernet port (RJ45) 10/100/1000Base-Tx
1 x Optical port (1x9) 1000Base-Fx
- Network Management Assign IP address: Console
Firmware upgrade: Web interface
- Optical Port Available for 1310nm and 1550nm Single mode, and 850nm Multi mode
Transfer Distance: up to 120km
Connectors: SC/PC, ST/PC, FC/PC optional
Fiber core: 8.3um, 8.7um, 9um and 10um on single mode fiber, 50, 62.5 and 100um on multi-mode fiber
- Ethernet Port Standard: IEEE802.3, IEEE802.3u, IEEE 802.3ab, IEEE802.3x
Available speed: force 10Mbps, force 100Mbps, force 1000Mbps and auto-detective 10/100/1000Mbps Full-Duplex and Half-Duplex auto-negotiation
Connectors: RJ-45 Connector; MDI/MDI-X connection auto-sensing
- DIP Switch Function TP port mode Normal or Cut-Through
LFP LFP enabled (default) or disabled
- LED Indicators Power, FDX, Status, Speed, FX Link/Act, TX Link/Act
- External power adaptor Input 220VAC, 50/60Hz; output 5VDC, 1A
- Physical Characteristics Housing: Metal enclosure
Dimensions: 94 x 70 x 26mm (D x W x H)
Weight: 0.28kg
- Environmental Limits Operating Temperature: 0°C to 50°C
Storage Temperature: -20°C to 70°C
Operating Humidity: 10% to 90% RH
Storage Humidity: 5% to 90% RH
- Agency Approvals FCC Part 15 of Class A & CE approved
- Warranty 12 months

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ORDERING INFORMATION

- PD2-H02-FL20-1000 10/100/1000Base-Tx to 1000Base-Fx, Bi-Directional 1550nm/1310nm, 20Km, LC connector
- PD2-H02-FL40-1000 10/100/1000Base-Tx to 1000Base-Fx, Bi-Directional 1550nm/1310nm, 40Km, LC connector
- PD2-H02-FL60-1000 10/100/1000Base-Tx to 1000Base-Fx, Bi-Directional 1550nm/1310nm, 60Km, LC connector
- PD2-H02-FL80-1000 10/100/1000Base-Tx to 1000Base-Fx, Bi-Directional 1550nm/1310nm, 80Km, LC connector