OPT-1201S25 Media Converter

10/100Base-Tx to 100Base-Fx

RoHS Compliant

>>Description

The OPT-1201S25 is among Optone's answers to expanding existing Fast Ethernet networks. The easy implementation and expansion of 100Base-TX/FX networks can be further assured with this converter.

The converter is completely transparent when connected so the network performs exactly the way it did before - only now, it allows the co-existence of both copper and fiber mediums. Added flexibility is available with ST, SC, FC and WDM Simplex SC connectors. Extra distances are possible with the single mode version delivering up to 80km connectivity per transmitted segment.

The OPT-1201S2 allows the installation of fiber cabling anywhere within a Fast Ethernet network topology by directly connecting to existing devices. Its compact modular design facilitates deployment in a narrow desktop location to save space.

>>Main Features

- Complies with IEEE 802.3, IEEE 802.3u, IEEE 802.3x auto-negotiation
- Optional 19" System Chassis (OPT-R14) holds up to 14 Media Converters
- Extends distances ranging from 2km (multi-mode fiber) to 120km (single mode fiber)
- Auto-negotiation support on RJ-45 port
- Auto-negotiation of duplex(HDX/FDX) on RJ-45 port
- Auto MDI/MDI-X support on RJ-45 port
- Status LED's for TX,FX LINK/ACT, POWER,100M to easily monitor network status
- External power supply
- Supports packet length up to 1600 bytes
- FCC Class A & CE approved

>>Specifications

Interface
- 1 x Ethernet port (RJ45) 10/100Base-Tx
- 1 x Optical port (1x9) 100Base-Fx

Optical Port
- Available for 1310nm and 1550nm Single mode.
- Transfer Distance: up to120km;
- Connectors: SC/PC optional
- Fiber core: 8.3um, 8.7um, 9um and10um on single mode fiber, 50, 62.5 and 100um on multi-mode fiber

Ethernet Port
- Standard: IEEE802.3, IEEE802.3u, IEEE802.3x
- Available speed: force 10 Mbps, force 100 Mbps and auto-detective 10/100Mbps Full-Duplex and Half-Duplex auto-negotiation
- Connectors: RJ-45 Connector; MDI/MDI-X connection auto-sensing

LED Indicators
- Power, FDX, Status, Speed, FX Link/Act, TX Link/Act

Power Requirement
- Input: 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
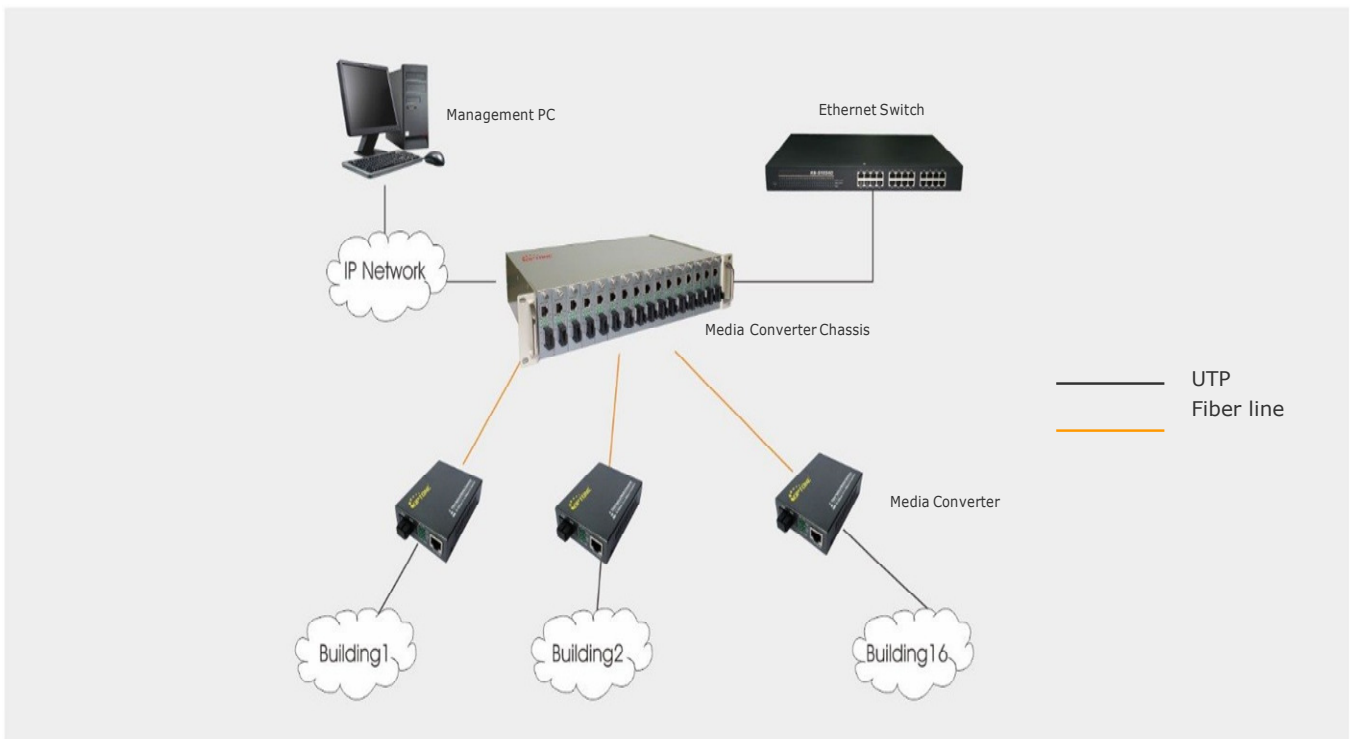- Storage Humidity: 5% to 90% RH

Agency Approvals
- FCC Part 15 of Class A & CE approved

Warranty
- 3 years

>>Applications

The following illustrates typical applications for the OPT-1201S25 . The actual distances will depend on several factors including the quality of cables used and the terminal equipment employed.

>>Ordering Information

WDM Fiber Media Converter

OPT-1201S25   10/100Base-Tx to 100Base-Fx, Bi-Directional, 25Km, SC

>>Important Notice

Performance figures, data and any illustrative material provided in this data sheet are typical and must be specifically confirmed in writing by OPTONE before they become applicable to any particular order or contract. In accordance with the OPTONE policy of continuous improvement specifications may change without   notice.

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