OPT-1100A
Fast Ethernet Media Converter

10/100Base-Tx to FE SFP port

RoHS Compliant

CE   FC

>>Description

The OPT-1100A 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 SFP connectors. Extra distances are possible with the single mode version delivering up to 80km connectivity per transmitted segment.

The OPT-1100 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

• Optional 19" System Chassis (OPT-R14) holds up to 14 Media Converters

• Extends distances ranging from 2km (multi-mode fiber) to 80km (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

• External power supply

>>Specifications

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

Optical Port
- Available for 1310nm and 1550nm Single mode, 1310nm Multi mode;
- Transfer Distance: up to 80km;
- Connectors: SFP
- Fiber core: 9/125µm on single-mode fiber, 50/125µm and 62.5µm on multi-mode fiber

Ethernet Port
- 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

Standard
- IEEE802.3 (10Base-T)
- IEEE802.3u (100Base-TX/FX)

LED Indicators
- Power Sataus, FDX Status, Speed Sataus, 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

>>Ordering Information

OPT-1100A	10/100Base-Tx to FE SFP port

Optional SFP

Model	Rate	Wavelength	Distance	Connector
SFP-SX-MM-0102	155Mbps	1310nm	2km	Duplex LC
SFP-LX-SM-0120	155Mbps	1310nm	20km	Duplex LC
SFP-LX-SM-0140	155Mbps	1310nm	40km	Duplex LC
SFP-ZX-SM-0180	155Mbps	1550nm	80km	Duplex LC

>>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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