

## OPT-M1100 Series Managed Media Converter

100Base-Fx to 10/100Base-Tx

RoHS Compliant



### >>Description

The OPT-M1100 Series is designed to make conversion between 100Base-FX to 10/100Base-TX Fast Ethernet. With SNMP agent and web-based management, the network administrator can logon the converter to monitor, configure and control the activity of each port. In addition, the converter implements bandwidth rating management capability via the intelligent software. The overall network management is enhanced, and the network efficiency is also improved to accommodate and deliver high bandwidth applications.

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 120km connectivity per transmitted segment.

### >>Main Features

- Complies with IEEE 802.3, IEEE 802.3u, IEEE 802.3x auto-negotiation
- Extends distances ranging from 2km (multi-mode fiber) to 120km (single mode fiber)
- Wall-Mountable
- Auto-negotiation of duplex(HDX/FDX) on RJ-45 port
- Auto MDI/MDI-X support on RJ-45 port
- Rate Limit function, 32Kbps
- Supporting Loopback, precisely locating the failure, convenient for link test
- Supporting LFP, quickly locates the failure
- Supporting remote power off alarming
- Economical management function within bandwidth
- Supporting Remote management
- Easy installation with complete LED indicators for working situation
- With powerful network management function, supporting WEB and SNMP

## >> 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, and 1310nm 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

- 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)
- IEEE802.3x (Flow control)

- SNMP v1/v2c(Simple Network Management Protocol)

### LED Indicators

- Power Status, Speed Status, FX Link/Act, TX Link/Act

### Power Requirement

- Input: 220V AC Internal Power Adapter

### Physical Characteristics

- Housing: Metal enclosure
- Dimensions: 156 x 128 x 32mm (excluding the connector and power switch)
- Weight: 0.75kg

### Environmental Limits

- Operating Temperature: 0°C to 50°C
- Storage Temperature: -20°C to 70°C
- Operating Humidity: 10% to 90% RH (non-condensing)
- Storage Humidity: 5% to 90% RH (non-condensing)

### Agency Approvals

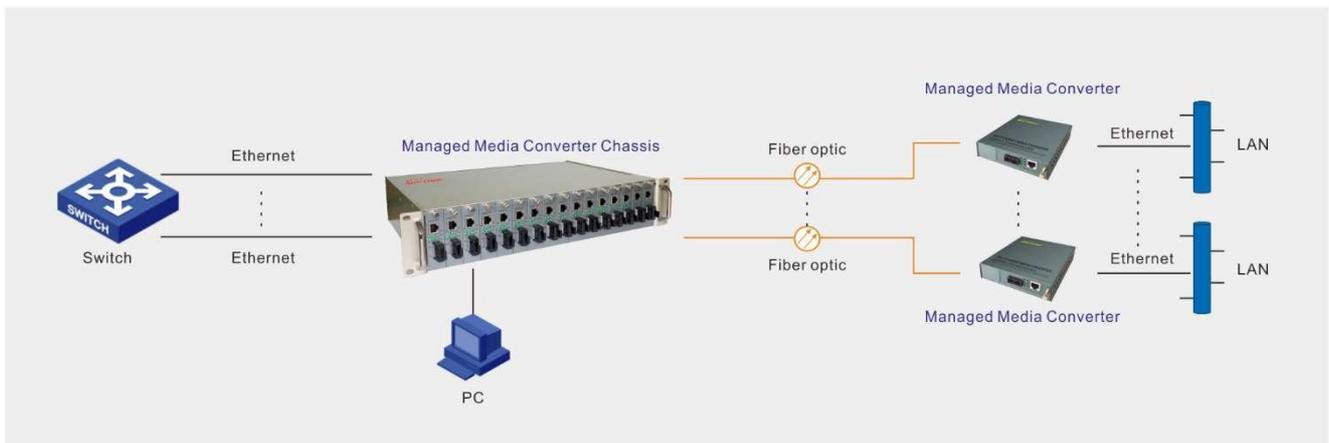
- FCC Part 15 of Class A & CE approved

### Warranty

- 3 years

## >> Applications

The following illustrates typical applications for the OPT-M1100 series. The actual distances will depend on several factors including the quality of cables used and the terminal equipment employed.



## >>Ordering Information

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### **Double Fiber Media Converter**

OPT-M1100	100Base-Fx to 10/100Base-Tx, Multi mode, 2Km, SC/ST/FC, with Managed
OPT-M1100S25	100Base-Fx to 10/100Base-Tx, Single mode, 25Km, SC/ST/FC, with Managed
OPT-M1100S40	100Base-Fx to 10/100Base-Tx, Single mode, 40Km, SC/ST/FC, with Managed
OPT-M1100S60	100Base-Fx to 10/100Base-Tx, Single mode, 60Km, SC, with Managed
OPT-M1100S80	100Base-Fx to 10/100Base-Tx, Single mode, 80Km, SC, with Managed
OPT-M1100S100	100Base-Fx to 10/100Base-Tx, Single mode, 100Km, SC, with Managed
OPT-M1100S120	100Base-Fx to 10/100Base-Tx, Single mode, 120Km, SC, with Managed

### **WDM Fiber Media Converter**

OPT-M1200S25	100Base-Fx to 10/100Base-Tx, Bi-Directional, 25Km, SC/ST/FC, with Managed
OPT-M1200S40	100Base-Fx to 10/100Base-Tx, Bi-Directional, 40Km, SC/ST/FC, with Managed
OPT-M1200S60	100Base-Fx to 10/100Base-Tx, Bi-Directional, 60Km, SC, with Managed
OPT-M1200S80	100Base-Fx to 10/100Base-Tx, Bi-Directional, 80Km, SC, with Managed

## >>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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