

OPT-M2200C Series Managed Media Converter

10/100/1000Base-Tx to 1000Base-Fx
RoHS Compliant



>>Description

The OPT-M2200C Series is designed to make conversion between 1000Base-FX to 10/100/1000Base-TX Gigabit 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, IEEE802.3z, IEEE802.3ab, IEEE 802.3x auto-negotiation
- Extends distances ranging from 0.5km (multi-mode fiber) to 120km (single mode fiber)
- Supporting Hot Pluggable
- Optional 19" System Chassis (OPT-MR16) holds up to 16 Media Converters
- Auto-negotiation of duplex(HDX/FDX) on RJ-45 port
- Auto MDI/MDI-X support on RJ-45 port
- Max. 2046 bytes packet at store-and-forward mode; Max. 9K bytes packet at cut-through mode
- Rate Limit function, 64Kbps
- 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) 10/100/1000Base-Tx
- 1 x Optical port (1x9) 1000Base-Fx

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

- 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

Standard

- IEEE802.3 (10Base-T)
- IEEE802.3u (100Base-TX/FX)
- IEEE 802.3ab (1000Base-T)
- IEEE 802.3z (1000Base-SX/LX/CX/T)
- IEEE802.3x (Flow control)
- SNMP v1/v2c (Simple Network Management Protocol)

LED Indicators

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

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

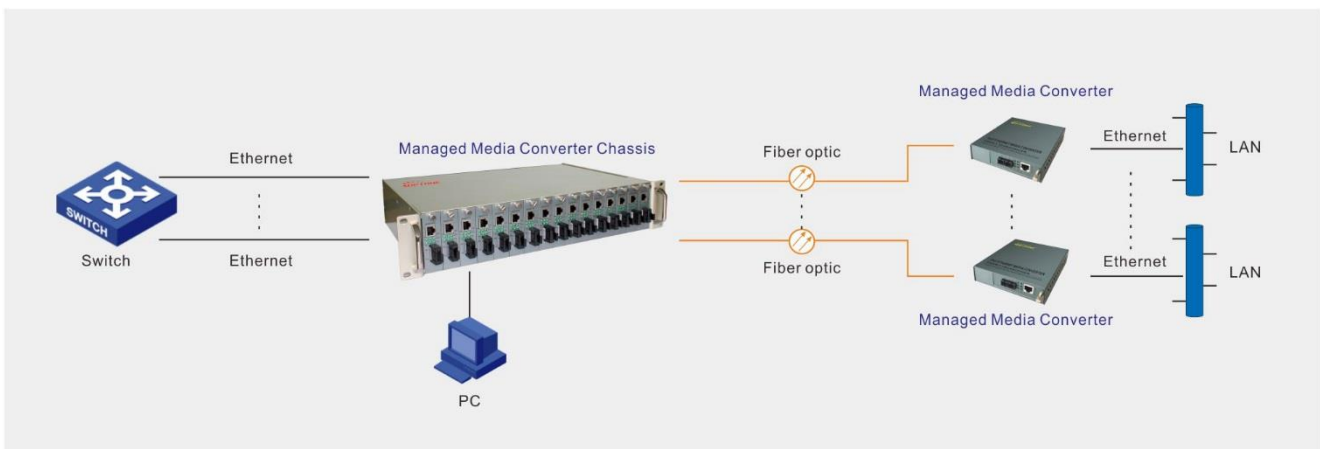
- FCC Part 15 of Class A & CE approved

Warranty

- 3 years

>> Applications

The following illustrates typical applications for the OPT-M2200C series. The actual distances will depend on several factors including the quality of cables used and the terminal equipment employed.



>>Ordering Information

Double Fiber Media Converter

OPT-M2200C	10/100/1000Base-Tx to 1000Base-Fx, Multi mode, 0.5Km, SC/ST/FC, with Managed, Card-type
OPT-M2200S20C	10/100/1000Base-Tx to 1000Base-Fx, Single mode, 20Km, SC/ST/FC, with Managed, Card-type
OPT-M2200S40C	10/100/1000Base-Tx to 1000Base-Fx, Single mode, 40Km, SC/ST/FC, with Managed, Card-type
OPT-M2200S60C	10/100/1000Base-Tx to 1000Base-Fx, Single mode, 60Km, SC, with Managed, Card-type
OPT-M2200S80C	10/100/1000Base-Tx to 1000Base-Fx, Single mode, 80Km, SC, with Managed, Card-type
OPT-M2200S100C	10/100/1000Base-Tx to 1000Base-Fx, Single mode, 100Km, SC, with Managed, Card-type
OPT-M2200S120C	10/100/1000Base-Tx to 1000Base-Fx, Single mode, 120Km, SC, with Managed, Card-type

WDM Fiber Media Converter

OPT-M3200S20C	10/100/1000Base-Tx to 1000Base-Fx, Bi-Directional, 20Km, SC/ST/FC, with Managed, Card-type
OPT-M3200S40C	10/100/1000Base-Tx to 1000Base-Fx, Bi-Directional, 40Km, SC/ST/FC, with Managed, Card-type
OPT-M3200S60C	10/100/1000Base-Tx to 1000Base-Fx, Bi-Directional, 60Km, SC, with Managed, Card-type
OPT-M3200S80C	10/100/1000Base-Tx to 1000Base-Fx, Bi-Directional, 80Km, SC, with Managed, Card-type
OPT-M3200S100C	10/100/1000Base-Tx to 1000Base-Fx, Bi-Directional, 100Km, SC, with Managed, Card-type

>>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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