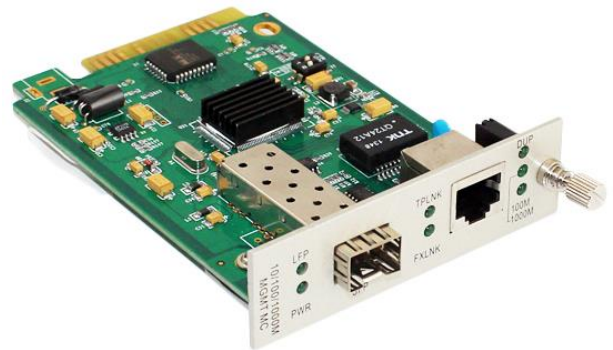# OPT-M2200AC
Managed Media Converter
10/100/1000Base-Tx to GE SFP
RoHS Compliant

CE   FC

>>Description

The OPT-M2200AC is designed to make conversion between SFP 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. 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 (SFP) 1000Base-Fx

Optical Port
- Available for 1310nm and 1550nm Single mode, and 850nm Multi mode;
- Transfer Distance: up to 120km;
- Connectors: SFP
- Fiber core: 9/125µm on single-mode fiber; 50/125µm and 62.5/125µm 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）
- IEEE802.3ab (1000Base-T)
- IEEE802.3z (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

>>Ordering Information

Double Fiber Media Converter

OPT-M2200AC	10/100/1000Base-Tx to GE SFP, with Managed, Card-type

Optional SFP

Model	Rate	Wavelength	Distance	Connector
SFP-SX-MM-0205	1.25Gbps	850nm	0.5km	2xLC
SFP-LX-SM-0220	1.25Gbps	1310nm	20km	2xLC
SFP-LX-SM-0240	1.25Gbps	1310nm	40km	2xLC
SFP-ZX-SM-0280	1.25Gbps	1550nm	80km	2xLC

>>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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