

# Ethernet Broadband

## OMC Web Managed Media Converter



### 1. KEY FEATURES

- TX Port can be turned On/Off via Network Management remotely
- Automatic MDI/MDIX cable cross-over for 100Base-TX and 10Base-T
- Support bandwidth management at N\*64 Kbps up to 100Mbps (N=1~160 for Telco lease line applications), both Ingress and egress port, rate options for high and low priority for both side of ports.
- Provides back pressure for half-duplex
- LLCFC (Link Loss Carry Forward)
- LLD (Link Loss Discovery)
- Flow control capabilities:
  - Provides back pressure for half-duplex
  - 802.3x flow control for full-duplex
- QoS capabilities based on 802.1p and IP TOS/DS field
- Web Browser ready, Telnet, SNMP and console port manageable
- Supports variety of media converter interface modules
- 1 SC/ST duplex multimode or single mode fiber optic connector

### 2. Management Features:

It also includes some key management features such as:

- Provides SNMP and Web management
- Management from anywhere and any platform using Web browser
- Easy-to-use point and click graphic user interface
- Photographic quality interface to configure and monitor the device
- In-band/out-of-band remote Telnet management
- Local console management via RS-232 port
- Using TFTP or Console port for system firmware upgrade
- Information provided by management interface
- Full-duplex (802.3x) and half-duplex (back pressure) flow control
- Hardware-based RMON counters
- Flooding/broadcast storm control
- One Link status LED per port.
- Packet filtering of source and destination MAC addresses
- Network management:
  - One RS-232 port as local control console
  - Telnet remote control console
  - SNMP agent: - MIB-2 (RFC1213):
    - Bridge MIB (RFC1493)
    - RMON MIB (RFC1757) statistics
- History, alarms, and events:
  - Versa private MIB
- Java applet-based MIB browser
- Web browser support based on HTTP server and CGI parser

### 3. TECHNICAL SPECIFICATION

**Standards**  
Complies with IEEE 802.3 10Base-T  
IEEE 802.3u 100Base-TX 100 Base-TX standards

**Network Interface**  
two RJ45 10/100Base-TX ports and one 100M-FX port

**LED Indicators**  
Power, Link/Act, 10/100M

**Power supply**  
External Power Adapter (DC 5V/2A)

**Input Power**  
100 to 240 VAC, 50 to 60 Hz

**Environmental Temperature**  
0 °C to 60 °C

**Humidity**  
5% to 90%

**Dimensions**  
180(H) \* 105(W) \* 26(D) mm

### 4. ORDERING INFORMATION

OMC32M1-2	10/100 Base-TX/FX Web Managed Converter 2Km SC Connector (multimode)
OMC32M2-2	10/100 Base-TX/FX Web Managed Converter 2Km ST Connector (multimode)
OMC32S1-20	10/100 Base-TX/FX Web Managed Converter 20Km SC Connector (single mode)
OMC32S1-40	10/100 Base-TX/FX Web Managed Converter 40Km SC Connector (single mode)
OMC32S1-60	10/100 Base-TX/FX Web Managed Converter 60Km SC Connector (single mode)
OMCB32S1-20	10/100 Base-TX/FX Single fiber BIDI Web Managed Converter 20Km SC Connector (Tx:1310 Rx:1550 over one fiber)
OMCB33S1-20	10/100 Base-TX/FX Single fiber BIDI Web Managed Converter 20Km SC Connector (Tx:1550 Rx:1310 over one fiber)