



INCLUDED



FLEXIBILITY



CONVERTER



1 CH



The ComNet CWGE2MC Ethernet media converter series are one-channel Ethernet electrical to optical media converters. These auto-negotiating devices accept a 100/1000 Mbps Ethernet signal and convert this to a 100/1000 BASE-X signal. These devices use either one or two optical fibers, depending upon the selection of either included or sold-separately SFP* optical module.

FEATURES

- › Commercial Grade
- › 100/1000 Mbps Ethernet
 - 100/1000 BASE-T(X) electrical port
 - 100/1000 BASE-X SFP port
- › Electrical port supports Auto-Negotiation for 100, or 1000Mbps, full duplex or half duplex data.
- › Optical port supports 100/1000 BASE-X
- › Automatic MDI/MDI-X crossover
- › Supports Jumbo Frames up to 2K Bytes in switch converter mode or 16K Bytes in pure converter mode
- › Ambient operating temperature range: 0° - 50°C
- › No in-field optical adjustments required
- › LED Indicators
- › IEEE 802.3 compliant
- › 2 Year Warranty

APPLICATIONS

- › 100/1000 Mbps Ethernet Media Converter
- › High Speed Computer Links

* Small Form-Factor Pluggable Module. Sold separately.

SPECIFICATIONS

Ethernet Standards

IEEE 802.3u for 100Base-TX
IEEE 802.3ab for 1000Base-T
IEEE 802.3z for 1000Base-X
IEEE 802.3x for Flow Control

Data

Data Interface Ethernet
Data Rate 100/1000 Mbps
IEEE 802.3 Compliant
Full Duplex or Half Duplex Electrical Port/
Full Duplex Optical Port

Connectors

Optical SFP Dependent
Power DC Jack
Electrical RJ45

LED Indicators

- Optical Data Rate
- Electrical Link/Data Activity
- Power

Power

Operating Voltage Range 12 VDC
Power Consumption 1.6 W

Electrical & Mechanical

Circuit Board Meets IPC Standard
Size (L×W×H) 3.4 × 0.9 × 2.4 in (8.6 × 2.3 × 6.1 cm)
Shipping Weight <2 lb/0.9 kg

Environmental

MTBF >50,000 hours
Operating Temp 0° C to +50° C
Storage Temp -25° C to +70° C
Relative Humidity 10% to 80% (non-condensing)¹

AGENCY COMPLIANCE



ORDERING INFORMATION

Part Number	Description
CWGE2MC	100/1000 Mbps Ethernet Media Converter, Empty SFP Slot
Included Accessories	DC Plug-in Power Supply, 90-264 VAC, 50-60 Hz (Included, for benign 0° to 50°C applications only.) Add suffix '/US', '/EU', '/UK', or '/AU' for region-specific power supply connector

NOTE: In a continuing effort to improve and advance technology, product specifications are subject to change without notice.

TYPICAL APPLICATION

