Commercial Grade 100/1000BASE-T(X) to 100/1000BASE-X Ethernet Media Converter

CWGE2MC





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.*

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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]

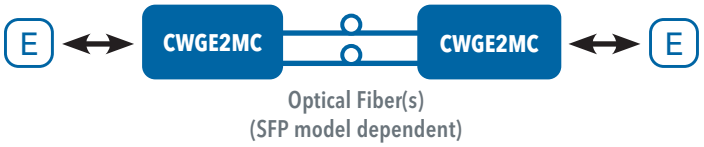
AGENCY COMPLIANCE
FC PART 15 COMPLIANT CE RoHS

ORDERING INFORMATION

Part Number	Description
CWGE2MC	100/1000 Mbps Ethernet Media Converter, Empty SFP Slot

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

TYPICAL APPLICATION





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Low Power Consumption