



INSTALLATION AND OPERATION MANUAL

CNFE2MCPOE

10/100 MBPS 2 PORT MEDIA CONVERTER WITH POWER OVER ETHERNET

The ComNet™ CNFE2MCPOE Ethernet 2 port media converter is designed to transmit and receive 10/100 Mbps data over optical fiber through user selectable SFP modules. These models require the ordering of sold-separately interchangeable SFP modules for fiber type, distance and connectors.

The CNFE2MCPOE transmits and receives a single channel of Ethernet data. It also supports IEEE 802.3at as Power Sourcing Equipment (PSE) with up to 25 Watts output, both in Mode A or Mode B. The electrical interface will Auto-Negotiate to a 10 Mbps, or 100 Mbps Ethernet rate without any adjustments. The optical interface operates at a 100 Mbps Ethernet rate. It is environmentally hardened to operate in extreme conditions.

LED indicators are provided for confirming equipment operating status. See **Figure 3** on **Page 3** for LED indicator descriptions.

See **Figures 1 – 5** for complete installation details.

The CNFE2MCPOE operates as a standalone module. See **Page 4** for mounting instructions.

FIGURE 1 – CNFE2MCP0E MEDIA CONVERTER



FIGURE 2 – CNFE2MCP0E MEDIA CONVERTER

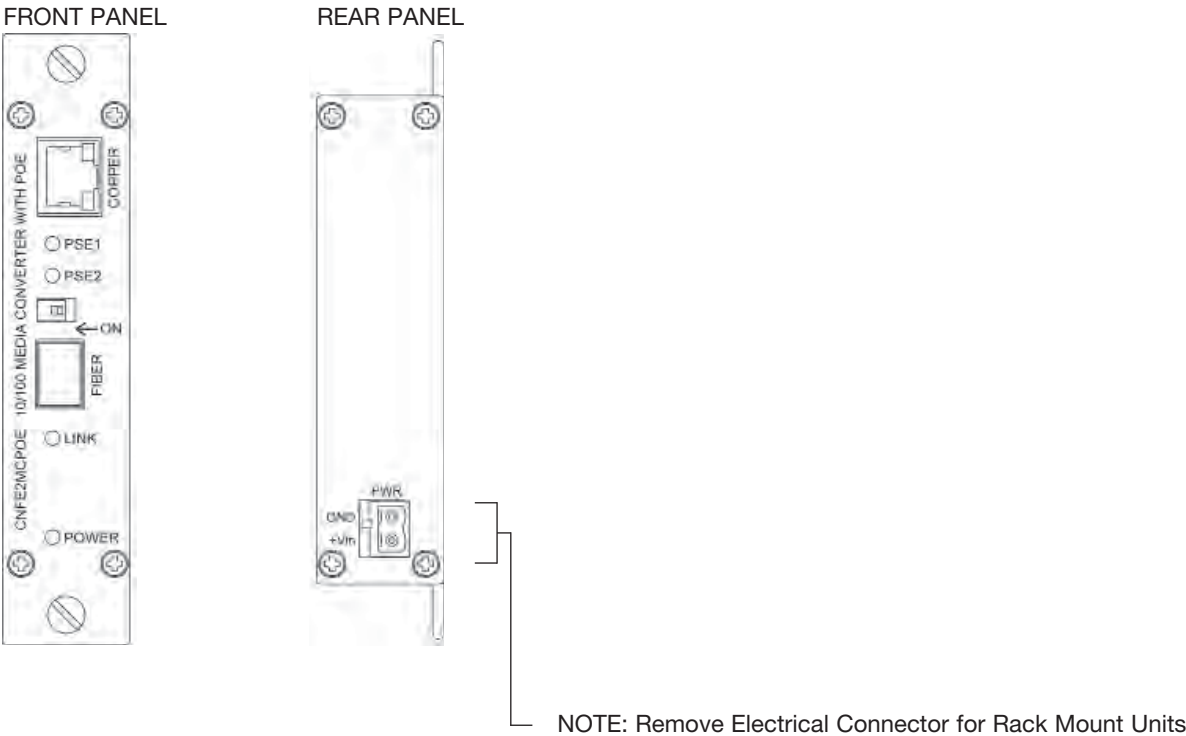
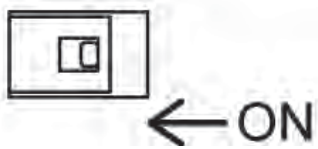


FIGURE 3 – LED INDICATORS

	LINK (A or B)	PSE2 or PSE2	POWER
GREEN	Solid – No Activity Blinking – Activity	Solid – No Activity Blinking – Activity	Unit powered up
YELLOW	Highest Data Rate	Highest Data Rate	–
OFF	No Link	No Link	Unit powered down

FIGURE 4 – SWITCH POSITIONS

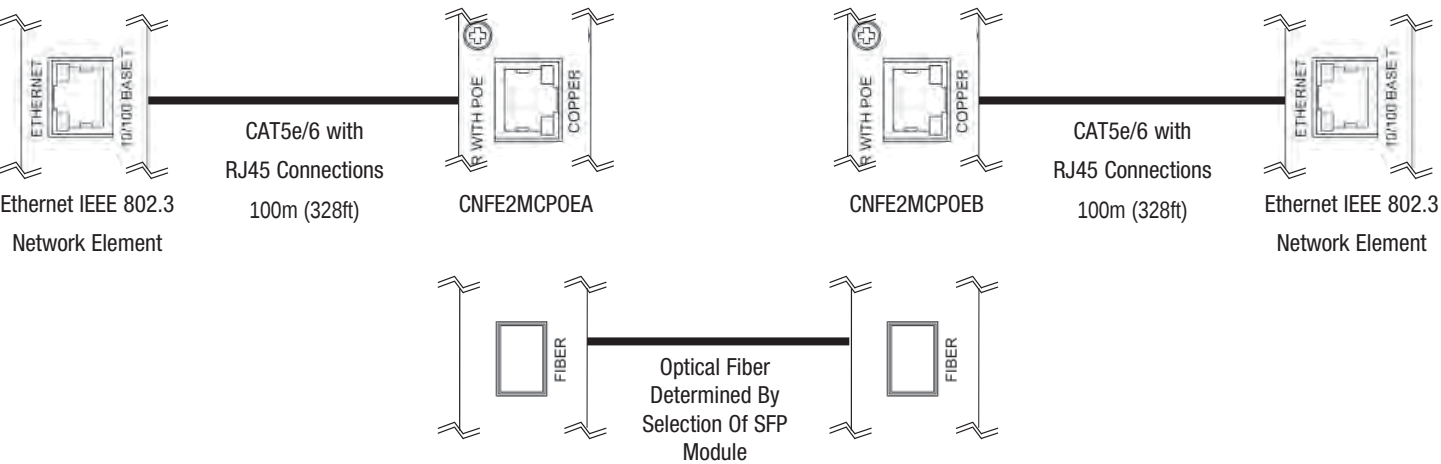
Power over Ethernet is controlled by a switch on the front panel of the unit.



ON	OFF
Power Supplied by Unit	Power not Supplied by Unit

FIGURE 5 – POSSIBLE ETHERNET CONFIGURATION

Ethernet IEEE 802.3 Network Element determined by user.



MECHANICAL INSTALLATION INSTRUCTIONS

INSTALLATION CONSIDERATIONS

This unit is supplied as a Standalone module. Units should be installed in dry locations protected from extremes of temperature and humidity.

WARNING: Unit is to be used with a Listed Class 2 or LPS power supply rated 12V @ 3A or 24V @ 1.5A.

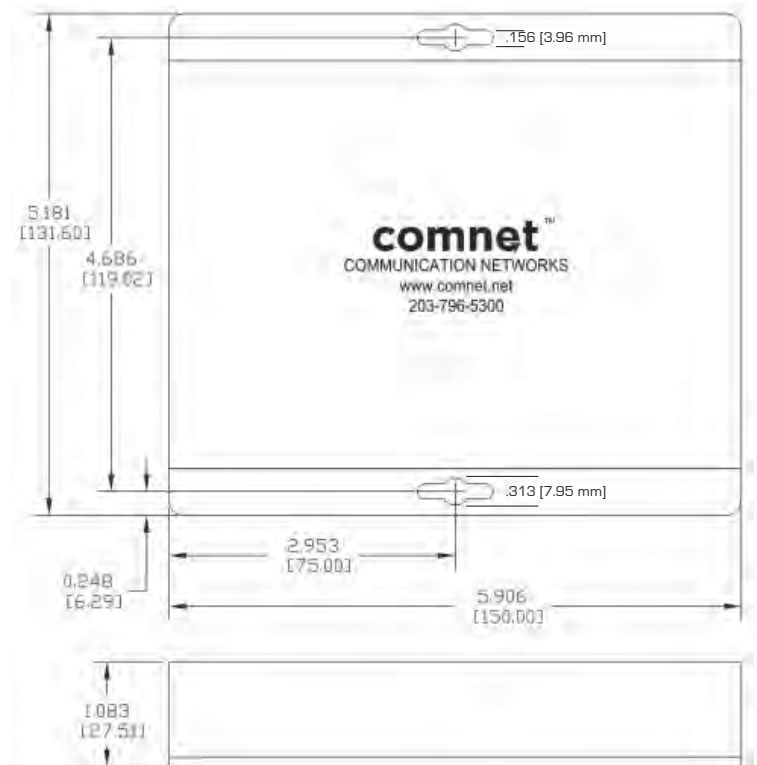
IMPORTANT SAFEGUARDS:

A) Elevated Operating Ambient - If installed in a closed or multi-unit rack assembly, the operating ambient temperature of the rack environment may be greater than room ambient. Therefore, consideration should be given to installing the equipment in an environment compatible with the maximum ambient temperature (T_{ma}) specified by the manufacturer.

B) Reduced Air Flow - Installation of the equipment in a rack should be such that the amount of air flow required for safe operation of the equipment is not compromised.

FIGURE A

Dimensions are for a standard ComNet™ one slot module



MADE IN THE
USA

comnet
Communication Networks

3 CORPORATE DRIVE | DANBURY, CT 06810 | USA
T: 203.796.5300 | F: 203.796.5303 | TECH SUPPORT: 1.888.678.9427 | INFO@COMNET.NET

8 TURNBERRY PARK ROAD | GILDERSOME | MORLEY | LEEDS, UK LS27 7LE
T: +44 (0)113 307 6400 | F: +44 (0)113 253 7462 | INFO-EUROPE@COMNET.NET