



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

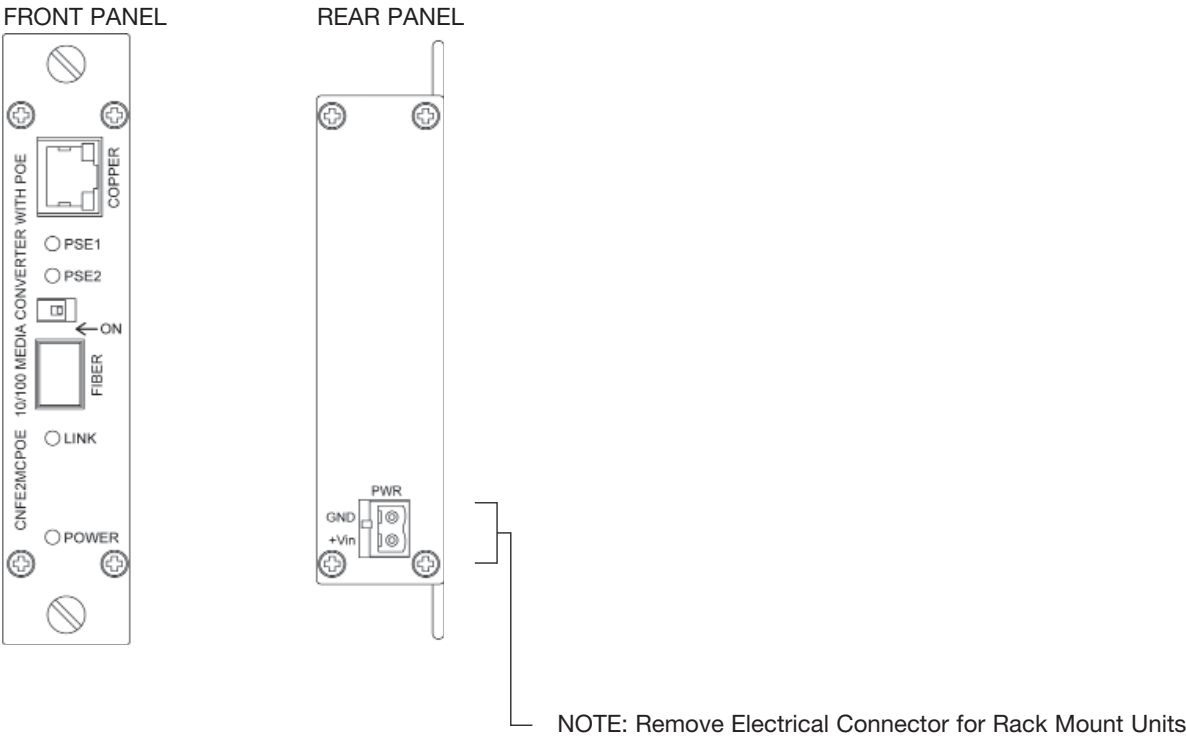


FIGURE 3 – LED INDICATORS

	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.



FIGURE 5 – POSSIBLE ETHERNET CONFIGURATION

Ethernet IEEE 802.3 Network Element determined by user.

