



## INSTALLATION AND OPERATION MANUAL

### CNFE100(X)-A

#### 10/100 MBPS ETHERNET MEDIA CONVERTER FOR AIGIS DOME

The series of Ethernet media converters are designed to transmit and receive 10/100 Mbps data over one multimode or single mode optical fiber. They are designed to be mounted within an Aigis dome and provide optical Ethernet output.

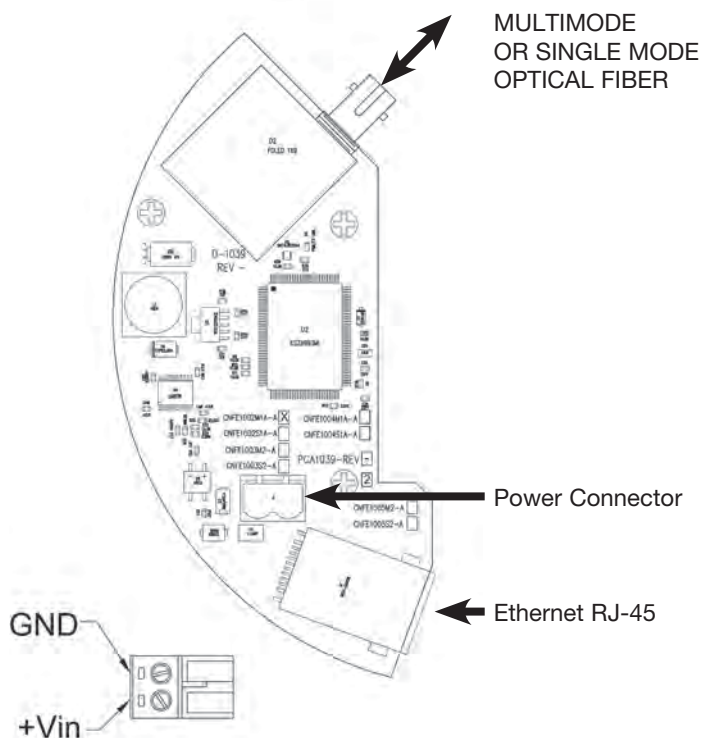
The electrical interface will Auto-Negotiate to a 10 Mbps, or 100 Mbps Ethernet rate without any adjustments. The optical interface operates at a 100 Mbps Ethernet rate. The series is environmentally hardened to operate in extreme temperatures.

An LED indicator confirms equipment operating status. **Figure 6** on **Page 4** describes the LED indicators for the unit.

The CNFE100(X)-A series media converters are designed to be mounted in an Aigis dome camera. See **Figure A** on **Page 5** for mounting instructions.

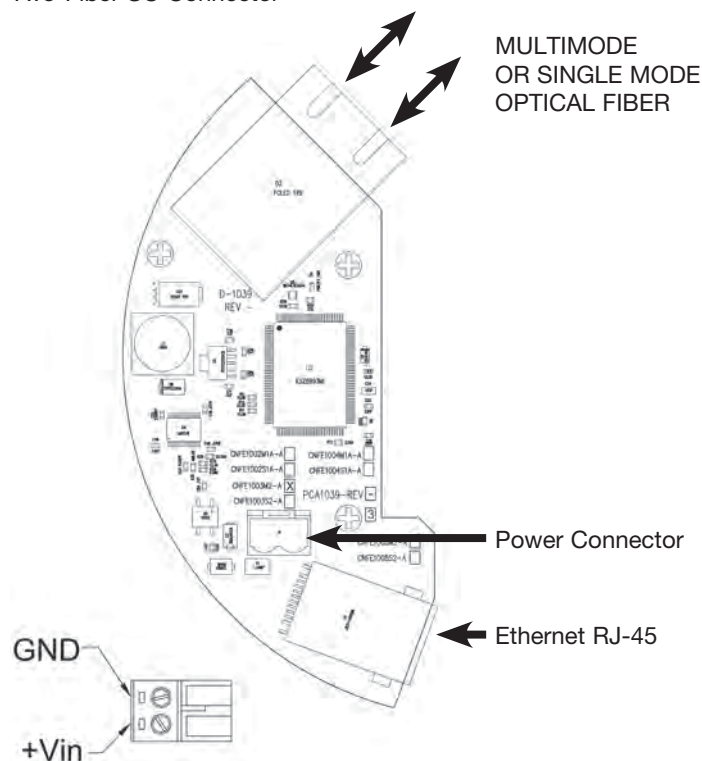
## FIGURE 1 – CNFE1002-A

One-Fiber ST Connector



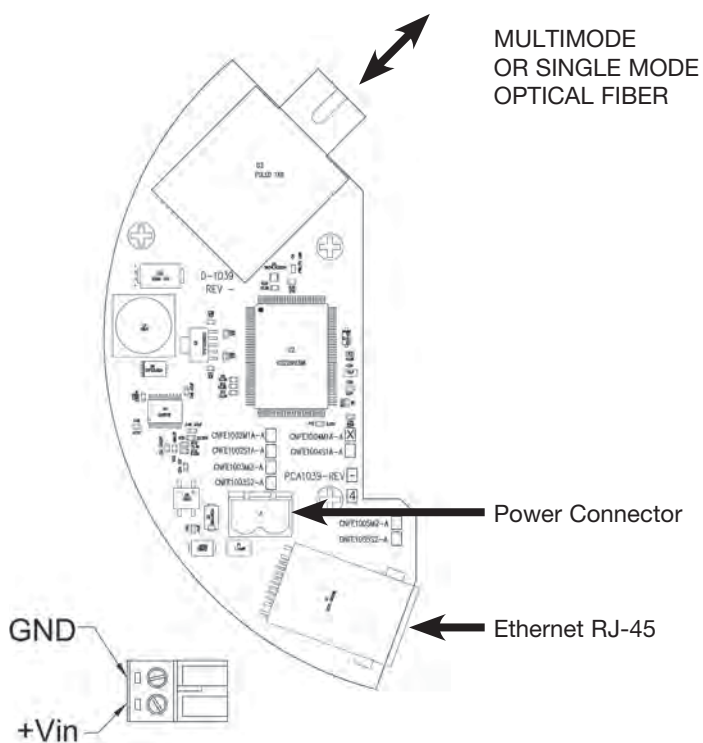
## FIGURE 2 – CNFE1003-A

Two-Fiber SC Connector



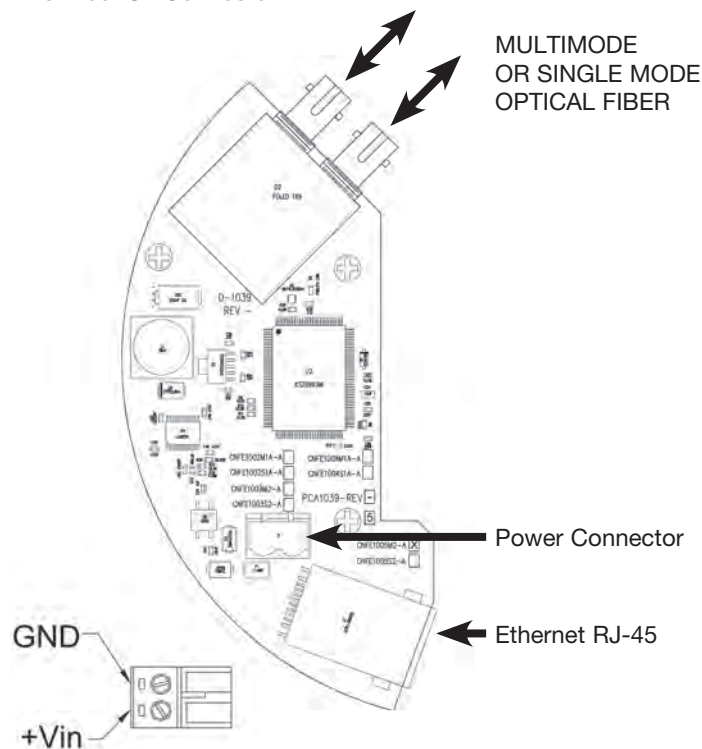
## FIGURE 3 – CNFE1004-A

One-Fiber SC Connector



## FIGURE 4 – CNFE1005-A

Two-Fiber ST Connector



# MECHANICAL INSTALLATION INSTRUCTIONS

FIGURE 6 – LED INDICATORS

	LINK	POWER
GREEN	Ethernet link has been established at the RJ45 connector.	Unit powered up
OFF	Unit Powered Down	

## INSTALLATION CONSIDERATIONS

This fiber-optic link is supplied as an in-dome mountable 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 9-12 VDC @ 1A.

### IMPORTANT SAFEGUARDS:

- A) Elevated Operating Ambient** - Consideration should be given to installing the equipment in an environment compatible with the maximum ambient temperature (Tma) specified by the manufacturer.
- B) Reduced Air Flow** - Installation of the equipment should be such that the amount of air flow required for safe operation of the equipment is not compromised.

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