

## INSTALLATION AND OPERATION MANUAL

# CWFE2COAX

## DUAL CHANNEL 100MBPS ETHERNET-OVER-COAX

The ComNet™ CWFE2COAX supports high-speed Ethernet transmission over standard  $75 \Omega$  coaxial cable circuits, at data rates of 100Mbps, and transmission distances of up to 305 meters (1000 feet). The CWFE2COAX contains two independent channels. These modems are the perfect solution for upgrading an existing coaxial cable plant for use with Ethernet, when compared to the significant costs and nuisance of installing new network cabling.

User-configurable master/remote selection is included for unparalleled versatility. See **Figure 10** on **Page 5** for Switch settings.

LED indicators are provided for rapidly ascertaining the operating status of the device. See **Figure 9** on **Page 5** for LED explanations.

See **Figures 1 - 10** for complete installation details.

FIGURE 1 - CWFE2COAX

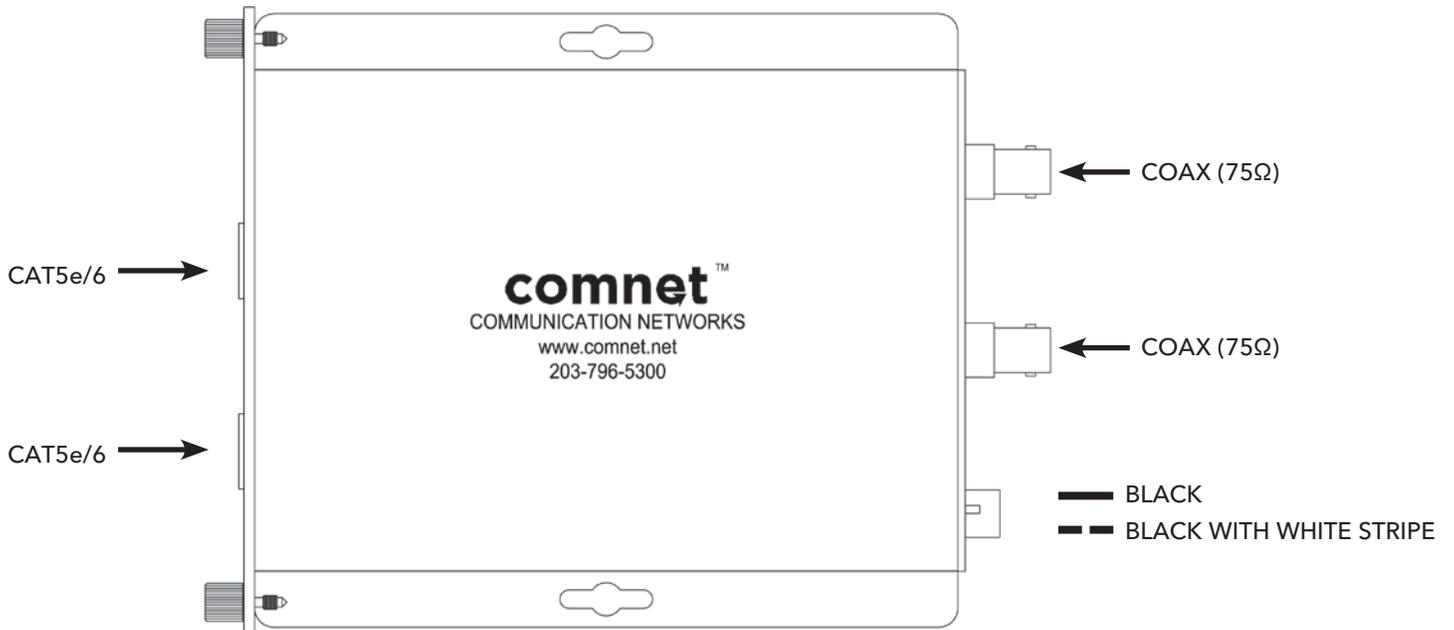
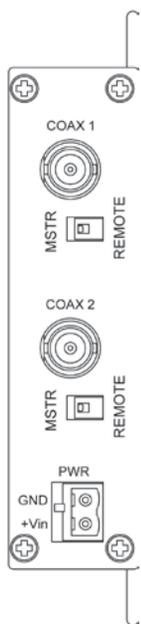
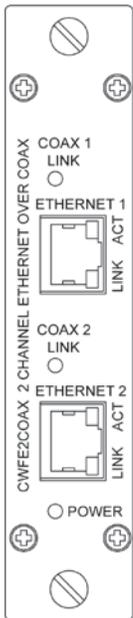


FIGURE 2 - CWFE1COAX

FRONT PANEL

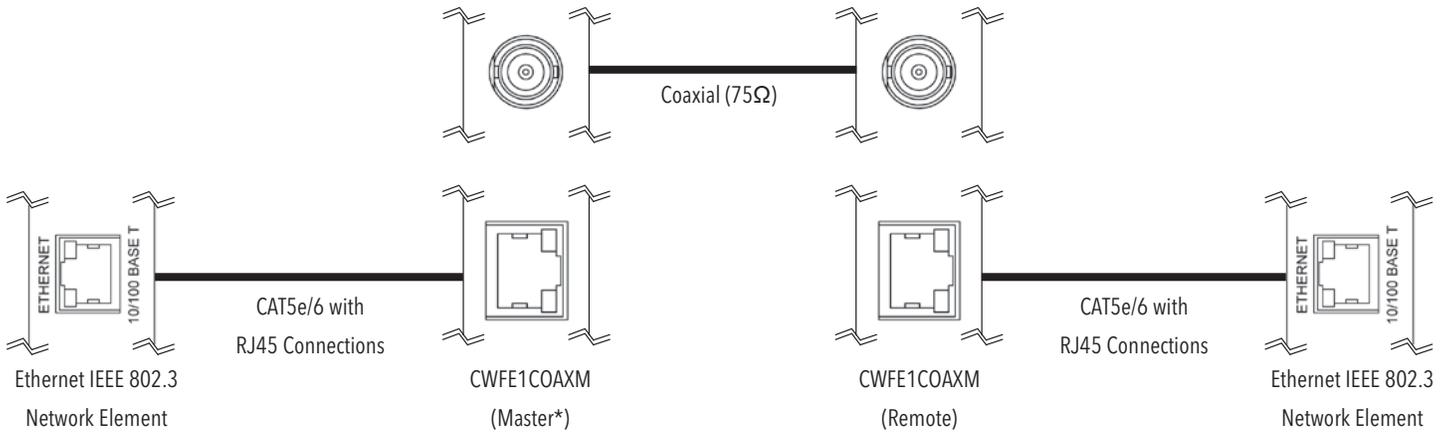
REAR PANEL



NOTE: Remove Electrical Connector for Rack Mount Units

**FIGURE 3 - POSSIBLE ETHERNET CONFIGURATIONS**

Ethernet IEEE 802.3 Network Element determined by user.



**FIGURE 4 - DISTANCE VS. SPEED**

Line Side Port:			
Coax connector:	BNC		
Impedance:	75 ohm coax		
Throughput:	(Down Stream /	Up Stream)	
< 1000 ft	100 Mbps /	100 Mbps	

**FIGURE 5 - LED INDICATORS**

	COAX LINK	POWER
<b>GREEN</b>	-	Unit powered up
<b>OFF</b>	-	Unit powered down
<b>BLINK</b>	Coax data activity	-

**FIGURE 6 - SWITCH SETTINGS**

SWITCH	DOWN (ON)	UP (OFF)
1	Remote	Master
2	Remote	Master

# MECHANICAL INSTALLATION INSTRUCTIONS

## INSTALLATION CONSIDERATIONS

This modem is supplied as a pair with the CWFE8MS-DIN. Units should be installed in dry locations protected from extremes of temperature and humidity.

**CAUTION: Take care not to press on any of the LEDs.**

**WARNING:** Unit is to be used with a Listed Class 2 or LPS power supply rated 9-24 VDC, 12-24 VAC @ 120 mA.

## 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<sub>ma</sub>) 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.



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