



INSTALLATION AND OPERATION MANUAL

CWFE(1,2)COAX[M]

100MBPS ETHERNET-OVER-COAX SINGLE / DUAL CHANNEL

The ComNet™ CWFE1COAX[M] and CNFE2COAX support high-speed Ethernet transmission over standard 75 Ω coaxial cable circuits, at data rates of 100Mbps, and transmission distances of up to 305 meters (1000 feet). The CWFE1COAX is a standard sized single channel unit, the CWFE1COAXM is a small sized unit and the CWFE2COAX contains two independent channels in a single standard-sized enclosure (ComFit). 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.

These units are designed for shelf, card cage (standard-size units only) or stand-alone mounting, making them ideal for those installations where space is limited. These products may also be DIN-rail mounted by the addition of the ComNet model DINBKT2 Adaptor Plate Kit. See **Figures A** and **B** on **Page 6** for mounting instructions.

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

FIGURE 1 - CWFE1COAXM

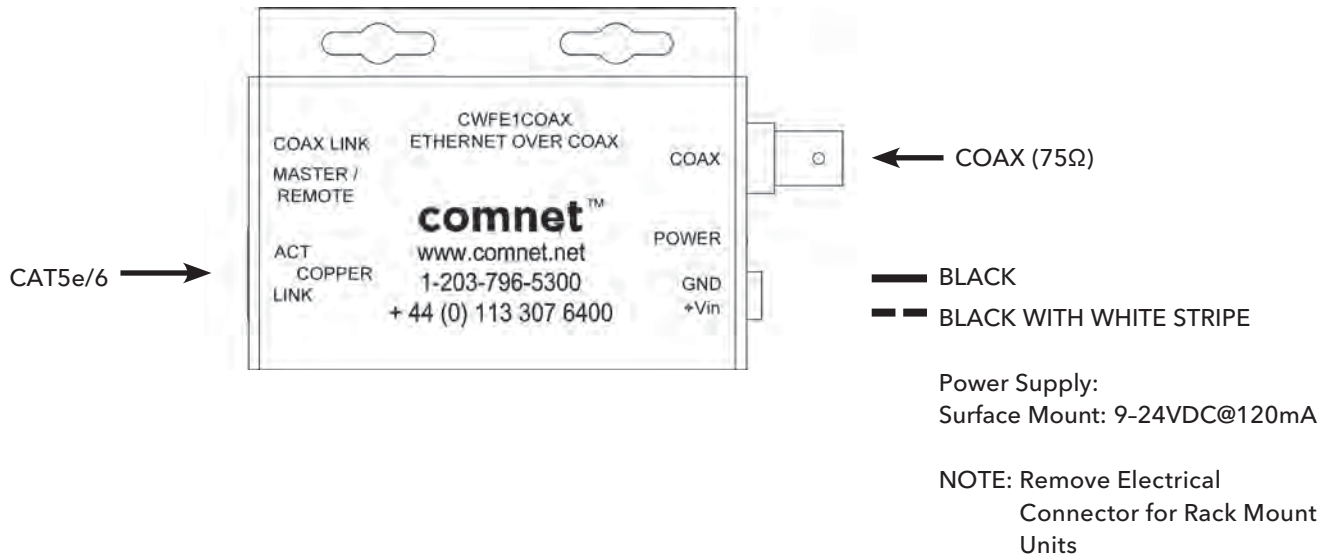


FIGURE 2 - CWFE1COAXM

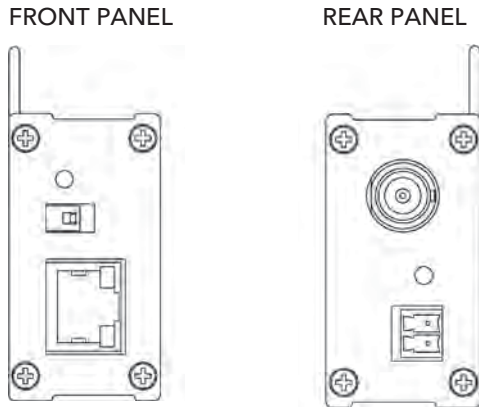


FIGURE 3 - CWFE1COAX

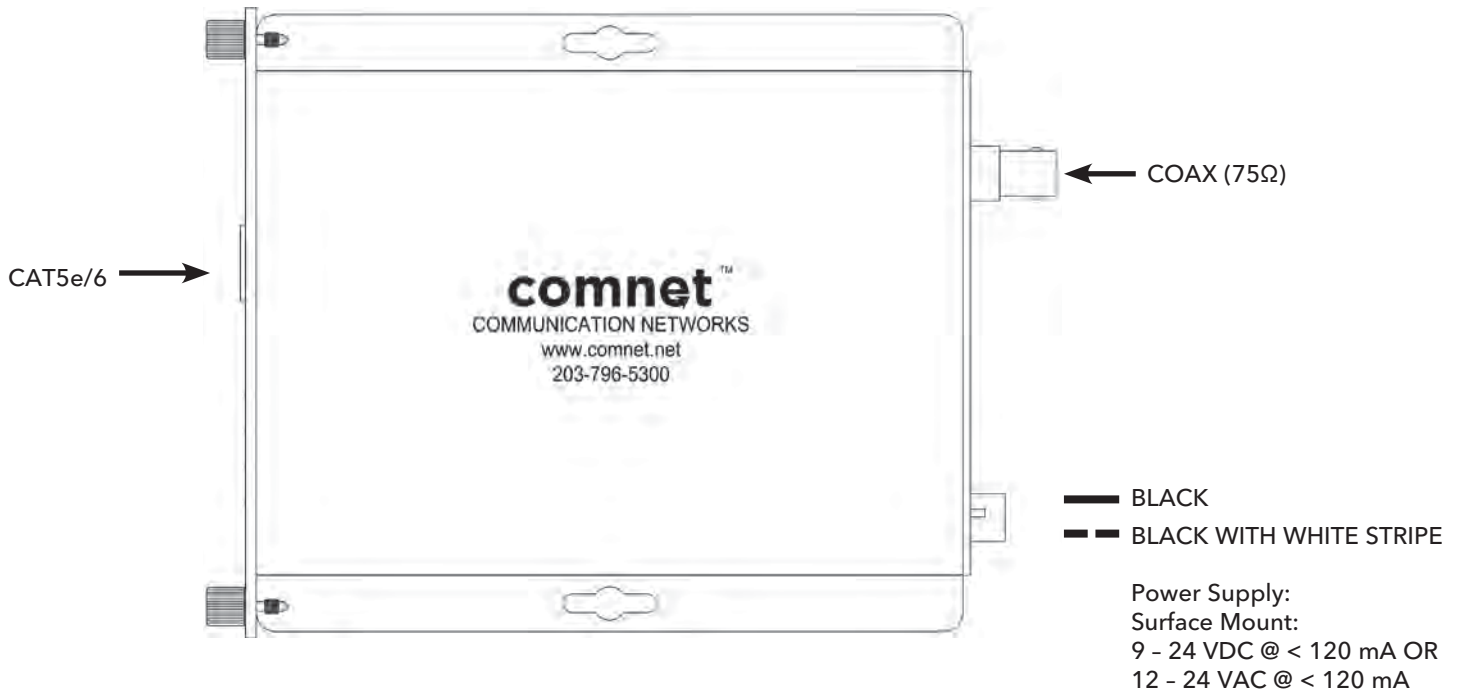
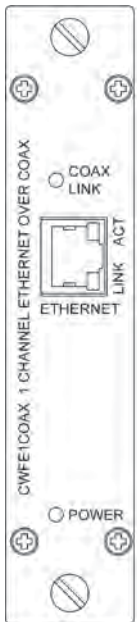


FIGURE 4 - CWFE1COAX

FRONT PANEL

REAR PANEL



NOTE: Remove Electrical Connector for Rack Mount Units

NOTE: Remove Electrical Connector for Rack Mount Units

FIGURE 5 - CWFE2COAX

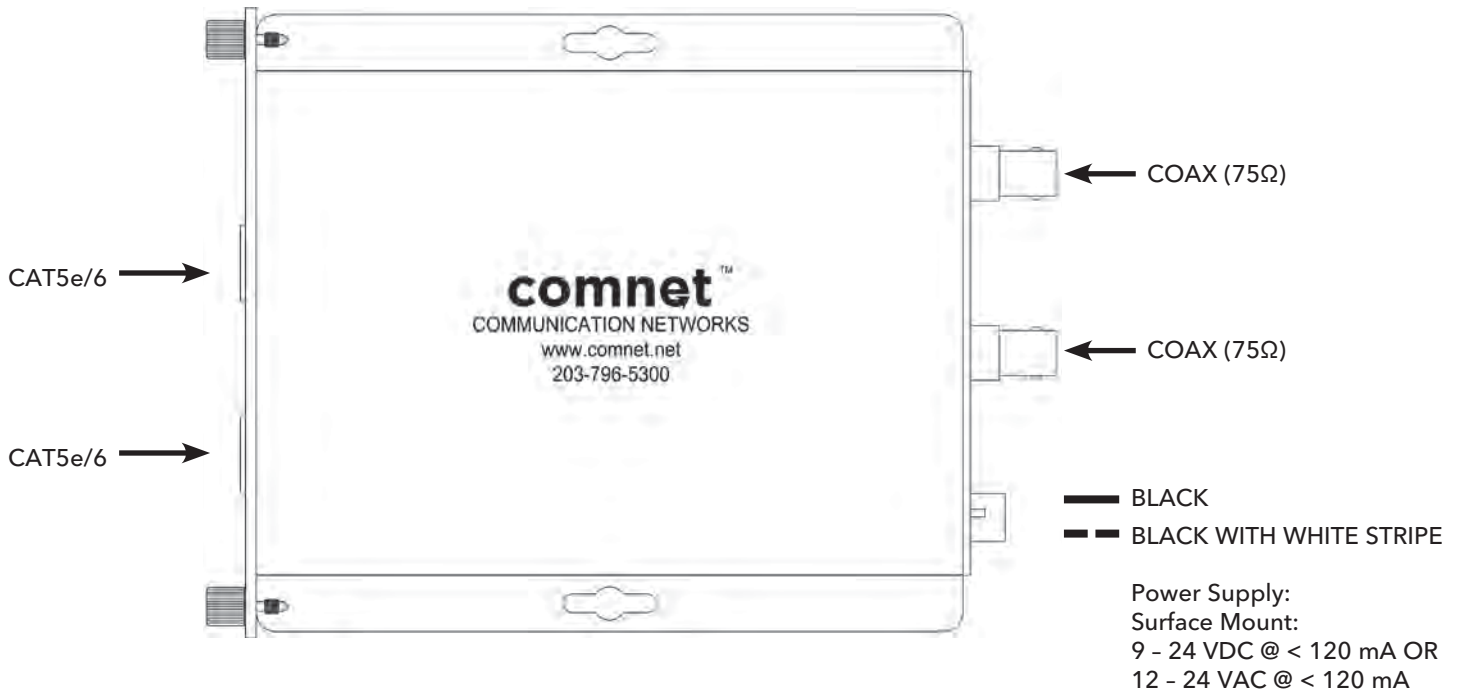
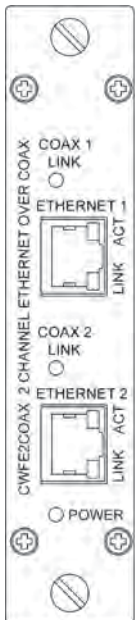


FIGURE 6 - CWFE1COAX

FRONT PANEL

REAR PANEL



NOTE: Remove Electrical Connector for Rack Mount Units

NOTE: Remove Electrical Connector for Rack Mount Units

FIGURE 7 - POSSIBLE ETHERNET CONFIGURATIONS

Ethernet IEEE 802.3 Network Element determined by user.

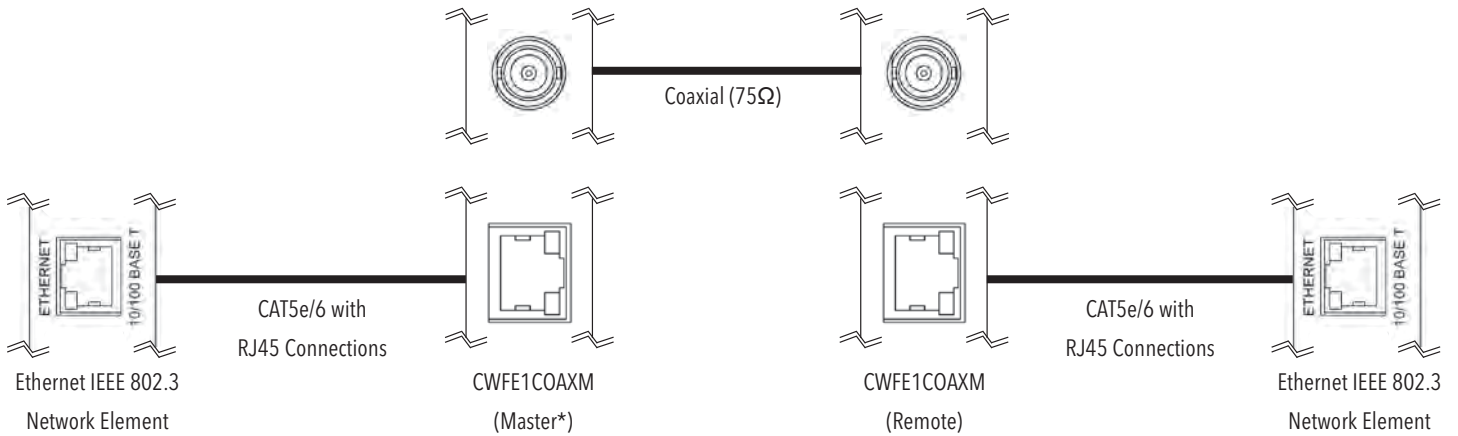


FIGURE 8 - DISTANCE VS. SPEED

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

FIGURE 9 - LED INDICATORS

	COAX LINK	POWER
GREEN	-	Unit powered up
OFF	-	Unit powered down
BLINK	Coax data activity	-

FIGURE 10 - SWITCH SETTINGS

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

MECHANICAL INSTALLATION INSTRUCTIONS

INSTALLATION CONSIDERATIONS

This modem is supplied as a Standalone module. 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.

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 the CWFE1COAXM standalone ComNet module

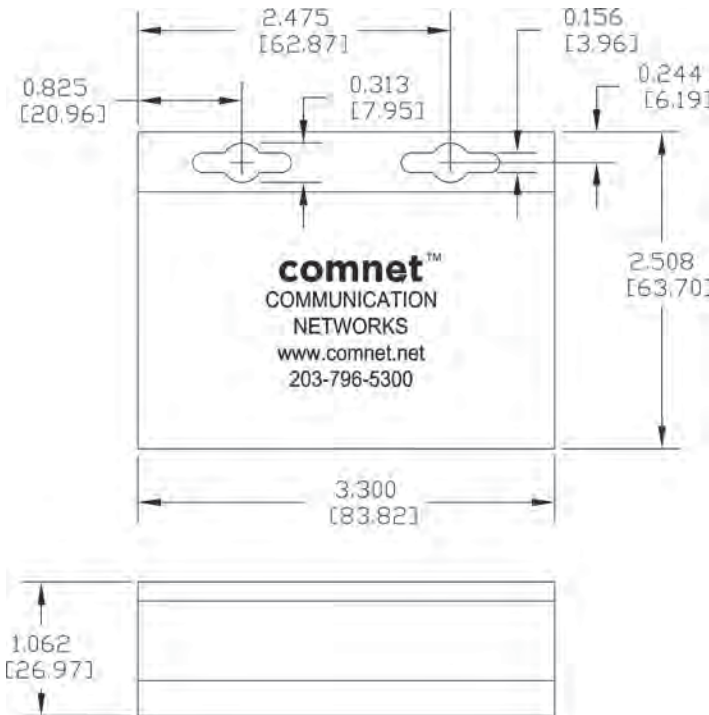
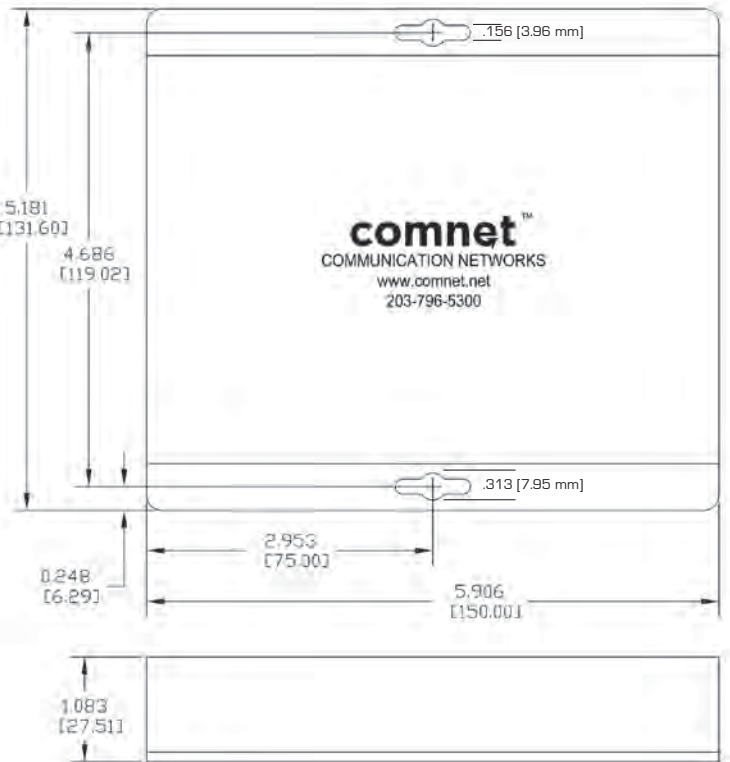


FIGURE B

Dimensions are for a standard ComNet™ one slot module



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