



The ComNet™ CWFE1POCOAX Series transports Ethernet and camera/device operating power between the remote device and head-end location using existing 75Ω coaxial cable. It eliminates the need to have a separate power source at the remote location and provides operating power for the remote ComNet media converter and PoE device. Based on the IEEE 802.3af standard for Power over Ethernet (PoE), the CWFE1POCOAXA provides up to 15.4 Watts of operating power to the remote powered device (PD). The CWFE1POCOAXA transports Ethernet data at rates of 100 Mbps over a distance of 230 meters (750 feet) over standard 75Ω coaxial cable. The CWFE(1,2)POCOAXA is used at the head end and the CWFE1POCOAXBM is used at the remote location.

FEATURES

- › ValueLine Product – Lower price: designed for installation in benign (0 to +50° C) operating environments.
- › Supports transmission distances of up to 230 m (750 ft) over coaxial cable
- › Power over Coax source – meets IEEE802.3af standard for PoE
- › Power over Ethernet (PoE) 15 Watts
- › Ethernet data rates of 100 Mbps
- › BNC connector for coaxial cable
- › IEEE802.3 Compliant
- › Made in the USA
- › Power Supply Included
- › 5 Year Warranty

APPLICATIONS

- › Ethernet transmission over existing 75Ω coaxial cable

SPECIFICATIONS

Ethernet

| | |
|---|----------------------|
| Ethernet Port: | |
| Ethernet connector | RJ45 |
| Cable | Cat 5, Cat 5e, Cat 6 |
| Data Rate | 100Mbps |
| Distance | 100m (328ft) |
| Electrical: | 15.4W (max) |
| Line Side Port (75Ω Coax): | |
| Coaxial connector | BNC |
| Impedance | 75Ω coax |
| Max Distance | |
| 100Mbps throughput up to 230 m (750 ft) | |

| | |
|-----------------|---------------------------------|
| Indicating LEDs | - Electrical Link/Data Activity |
| | - Coax Link |

Power

| | |
|------------------------|-----------------|
| 1 CH Operating Voltage | 48 VDC @ 0.84 A |
| 2 CH Operating Voltage | 48 VDC @ 1.25 A |

Electrical & Mechanical

| | |
|--------------------|--|
| Current Protection | Automatic Resettable Solid-State Current Limiters |
| Circuit Board | Meets IPC Standard |
| Size | 6.1 × 5.3 × 1.1 in (15.5 × 13.5 × 2.8 cm) |
| Shipping Weight | <2 lbs./0.9 kg |

Environmental

| | |
|-------------------|---|
| MTBF | >100,000 hours |
| Operating Temp | 0° C to +60° C |
| Storage Temp | -40° C to +85° C |
| Relative Humidity | 0% to 95% (non-condensing) ¹ |

AGENCY COMPLIANCE



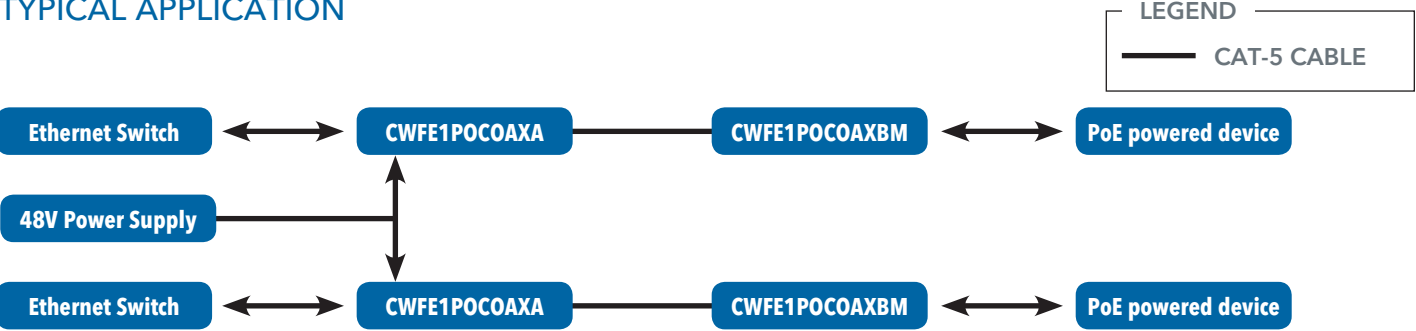
MADE IN THE
USA

ORDERING INFORMATION

| Part Number | Wavelength | Media Required | Max. Distance | # of Rack Slots |
|----------------------|---|----------------|---|-----------------|
| CWFE1POCOAXA | Power over Coax; Power over Ethernet (PoE) | 75Ω Coax | 100Mbps throughput up to 230 m (750 ft) | 1 |
| CWFE2POCOAXA | Dual Power over Coax; Power over Ethernet (PoE) | 2 × 75Ω Coax | 100Mbps throughput up to 230 m (750 ft) | 1 |
| Included Accessories | 48V DC Plug-in Power Supply (Included) | | | |
| Options | [1] Add suffix 'C' for Conformally Coated Circuit Boards to extend to condensation conditions (Extra charge, consult factory) | | | |

NOTE: In a continuing effort to improve and advance technology, product specifications are subject to change without notice. In a continuing effort to improve and advance technology, product specifications are subject to change without notice.

TYPICAL APPLICATION



Low Power Consumption