



HARDENED



802.3at



4TX



The ComNet™ CNFE4SMSPOE is a four-port self-managed Ethernet switch with uplink management functionality. It provides 4 ports operating at 10/100 Mbps and is designed to combine Ethernet data from the three electrical ports into a fourth electrical port and forward that data to the next network device. There is no programming required to use this product. The ComNet CNFE4SMSPOE comes pre-programmed, preventing network video flooding with a switch selection that allows the switch to be used as an uplink or as an unmanaged switch. All four ports can supply up to thirty (30) watts of power ("Power over Ethernet") and incorporate PoE+ features based on the IEEE 802.3at standard. It is "Plug-and-Play" easy to use. The ComNet CNFE4SMSPOE may be either wall mounted, rack mounted ("ComFit" packaging) or DIN-rail mounted with the use of the ComNet DINBKT1 adapter.

FEATURES

- › No Programming Required
- › 10/100 Mbps Ethernet
 - 4 × 10/100 BASE-T(X) electrical ports supporting PoE+
- › Electrical ports support Auto-Negotiation for 10 Mbps or 100 Mbps, full duplex or half duplex data.
- › Pre-programmed Port for uplink
- › Automatic MDI/MDI-X crossover
- › Designed to meet full compliance with the environmental requirements (ambient operating temperature, mechanical shock, vibration, humidity with condensation, high-line/low-line voltage conditions and transient voltage protection) of NEMA TS-1/TS-2 and the Caltrans Specification for Traffic Signal Control Equipment.
- › Voltage transient protection on all power and signal input/output lines provides protection from power surges and other voltage transient events.

- › No in-field optical adjustments required
- › Power and Activity status LED indicators
- › Hot-swappable rack modules
- › Interchangeable between stand-alone or rack mount use - ComFit
- › IEEE 802.3 compliant
- › Lifetime Warranty

APPLICATIONS

- › IP Video Applications
- › 10/100 Mbps Ethernet
- › High Speed Computer Links

SPECIFICATIONS

Data

| | |
|----------------|---|
| Data Interface | Ethernet |
| Data Rate | 10/100 Mbps |
| | IEEE 802.3 Compliant |
| | Full Duplex or Half Duplex Electrical Ports |

Connectors

| | |
|-------|----------------|
| Power | Terminal Block |
| Data | RJ45 |

LED Indicators

- Electrical Link/Data Activity
- Power
- Power over Ethernet (PoE+)

Power

| | |
|-------------------------|---------|
| Operating Voltage Range | 48 VDC |
| Power Consumption | 12W Max |

Electrical & Mechanical

| | |
|----------------------|--|
| Surface Mount | Wall or Flat Surface Screw Attachment |
| Number of Rack Slots | 1 ¹ |
| 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 | -40° C to +75° C |
| Storage Temp | -40° C to +85° C |
| Relative Humidity | 0% to 95% (non-condensing) ² |



¹ Although the units may be mounted inside a ComNet rack they cannot be powered from the built-in rack PSU; they must be powered by an external 48VDC PSU instead.

ORDERING INFORMATION

| Part Number | Description |
|-------------|--|
| CNFE4SMSPOE | 4 Port 10/100 Mbps Ethernet Self-managed Switch with PoE+, up to 100m (328 ft) |
| Options | Power Supply sold separately, available from ComNet: PS48VDC-5A [2] Add suffix 'C' for Conformally Coated Circuit Boards to extend to condensation conditions (Extra charge, consult factory) DIN-Rail Mounting Adaptor Plate Kit - With mounting hardware (Optional, order model DINBKT1) |

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

TYPICAL APPLICATIONS

