



The ComNet™ CNFE5SMSPOE is a five-port self-managed Ethernet switch with uplink management functionality. It provides 5 ports operating at 10/100Mbps and is designed to combine Ethernet data from the four electrical ports into a fifth electrical port and forward that data to the next network device. There is no programming required to use this product. The ComNet CNFE5SMSPOE 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. Ports 1-4 can supply up to thirty watts of Power over Ethernet (PoE) power and incorporate PoE+ features based on the IEEE 802.3at standard. It is "Plug-and-Play" easy to use.

## FEATURES

- › No Programming Required
- › 10/100 Mbps Ethernet
  - 5 10/100 BASE-T/TX electrical ports
  - Ports 1-4 support PoE+
- › Electrical ports support Auto-Negotiation for 10 Mbps or 100 Mbps, full duplex or half duplex data.
- › Pre-programmed Port for uplink to other Ethernet devices
- › Automatic MDI/MDI-X crossover
- › Tested and certified by an independent laboratory for 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 CALTRANS Traffic Signal Control Equipment Specifications
- › Voltage transient protection on all power and signal input/output lines provides unconditional protection from power surges and other voltage transient events.

- › 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
- › LED array displays unit operational status along with received signal strength

## 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 Power	48VDC
Power Consumption	12W Max

### Electrical & Mechanical

Surface Mount	Wall or Flat Surface Screw Attachment
Number of Rack Slots	1 <sup>1</sup>
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) <sup>2</sup>

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

[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
CNFE5SMSPOE	5 Port 10/100 Mbps Ethernet Self-managed Switch with PoE+ on Ports 1-4, up to 100m (328 ft)
Options	[2] Add suffix '/C' for Conformally Coated Circuit Boards to extend to condensation conditions (Extra charge, consult factory) Power Supply sold separately, available from ComNet: PS48VDC-5A DIN-Rail Mounting Adaptor Plate Kit - With mounting hardware (Optional, order model DINBKT1)

## TYPICAL APPLICATIONS

