comnet
Communication Networks

10/100TX 4TX Ethernet Self-managed Switch with Power over Ethernet (PoE)

CNFE4SMSPOE

APPEARANCE

10/100TX

"Plug and Play" – No programming required!

DESCRIPTION

The ComNet™ CNFE4SMSPOE is a four-port self-managed Ethernet switch with uplink management functionality. It provides 4 ports operating at 10/100Mbs 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. LED indicators confirm the operating status of this device. The ComNet CNFE4SMSPOE may be either wall mounted, rack mounted ("ComFit" packaging) or DIN-rail mounted with the use of the ComNet DINBKT1 adapter.

APPLICATIONS

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

FEATURES

› No Programming Required

› 10/100 Mbps Ethernet
• 4 10/100 BASE-T/TX 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 to other Ethernet devices

› 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 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

CNFE4SMSPOE

10/100TX 4TX Ethernet Semi-managed Switch with Power over Ethernet (PoE)

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+)

AGENCY COMPLIANCE

FC PART 15 COMPLIANT · CE · cULus E322911 · RoHS COMPLIANT · N24621 ·

MADE IN THE
USA

Electrical & Mechanical
Power:	48VDC@2.6A
Surface Mount:	Wall or Flat Surface Screw Attachment
Number of Rack Slots:	1†
Current Protection:	Automatic Resettable
	Solid-State Current Limiters
Circuit Board:	Meets IPC Standard
Size (in./cm) (L×W×H)	6.1 × 5.3 × 1.1 in. (15.5 × 13.5 × 2.8 cm)
Shipping Weight:	<2 lbs./0.9 kg

Environmental
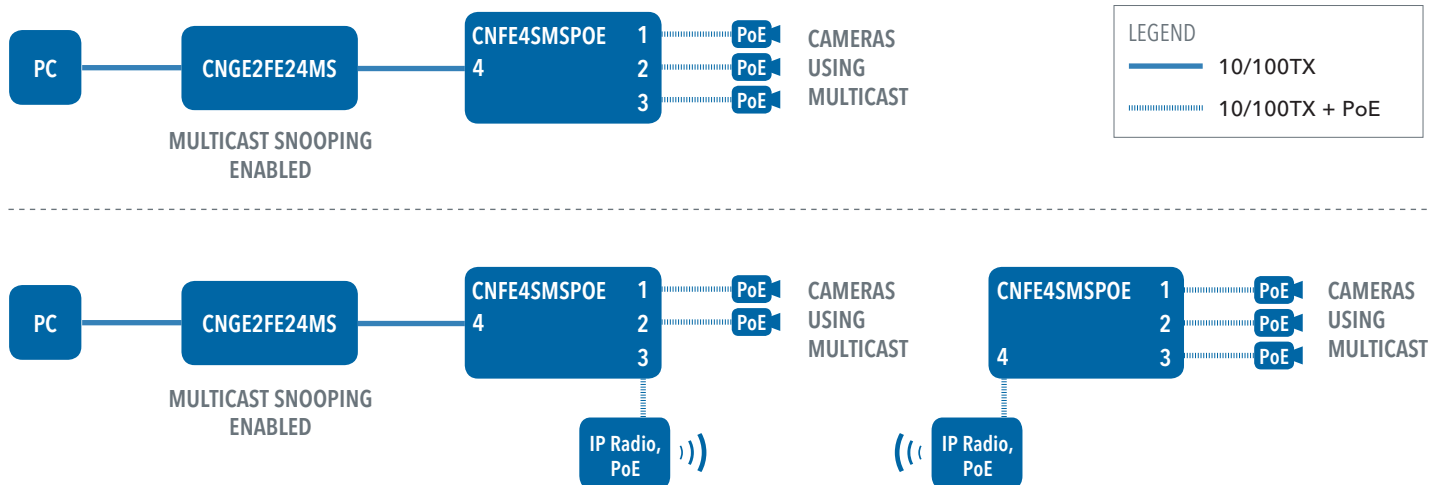|	
MTBF:	>100,000 hours
Operating Temp:	-40° C to +75° C
Storage Temp:	-40° C to +85° C
Relative Humidity:	0% to 95% (non-condensing)*

* May be extended to humidity with condensation conditions by adding suffix '/C'
† 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	Maximum Distance
CNFE4SMSPOE	4 Port 10/100 Mbps Ethernet Self-managed Switch with PoE+ on Ports 1–4	100m (328 ft)
Options	Add suffix '/C' for Conformally Coated Circuit Boards (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

LEGEND
—— 10/100TX
········ 10/100TX + PoE

Low Power Consumption

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20 Jul 2012