



The ComNet CNGE4TX4US/M Ethernet 4 port unmanaged switches are designed to transmit and receive 10/100/1000 Mbps Ethernet data. The CNGE4TX4US/M are environmentally hardened to operate in demanding environments.

LED indicators are provided for confirming equipment operating status. Plug-and-play design ensures ease of installation requiring no user adjustments. Packaged in the exclusive rugged ComNet medium housing, these units may be either wall mounted, or may be DIN-rail mounted by the addition of ComNet model DINBKT4 adaptor.

## FEATURES

- › 10/100/1000 Mbps Ethernet
- › Environmentally Hardened for use in unconditioned installations
- › All ports support 1000 Mbps full duplex data
- › 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.
- › No In-field adjustments or configuration required
- › Voltage transient protection on all power and signal input/output lines provides protection from power surges and other voltage transient events.
- › Power and Port status indicating LEDs
- › IEEE 802.3 compliant
- › Lifetime Warranty
- › Made in the USA

## APPLICATIONS

- › 10/100/1000 Mbps Gigabit Ethernet
- › High Speed Computer Links

## SPECIFICATIONS

### Switching Properties

Switching Latency	7us
Switching Bandwidth	8 Gbps
MAC Table	1K
Processing	Store-and-Forward

### Data

Data Interface	Ethernet
Data Rate	10/100/1000 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

Operating Voltage	9 to 36 VDC or 24 VAC
Current Draw	4 W max
Current Protection	Automatic Resettable Solid-State Current Limiters

### Electrical & Mechanical

Circuit Board	Meets IPC Standard
Size	4.1 × 3.7 × 1.1 in (10.4 × 9.4 × 2.8 cm)
Installation	Surface Mount, Wall or Flat Surface Screw Attachment
Shipping Weight	<2 lb / 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>1</sup>



## ORDERING INFORMATION

Part Number	Description
CNGE4TX4US/M	4 Port 10/100/1000 Mbps Ethernet Unmanaged Switch
Options	DC Plug-in Power Supply, 90-264 VAC, 50/60 Hz (Included, for benign 0° to 50°C applications only. Hardened power supply available, consult factory) [1] 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 DINBKT2 or DINBKT4)

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

