

10/100 Mbps Ethernet 4 port transceiver  
 4 Ports: Electrical



**Description**

The ComNet™ CNFE4TX4US Ethernet 4 port transceiver is designed to transmit and receive 10/100 Mbps data over CAT5E/6 electrical cable. The CNFE4TX4US provides 4 ports of 10/100 BASE-T/TX electrical ports. The CNFE4TX4US will function as a 10 Mbps Ethernet link, or as a 100 Mbps Ethernet link without any adjustments. The CNFE4TX4US is environmentally hardened to operate in demanding environments. A Power LED indicator is provided for confirming equipment operating status. Plug-and-play design ensures ease of installation requiring no adjustments. These units are interchangeable between stand-alone or card mount configurations.

**Applications**

- 10/100 Mbps Ethernet
- High Speed Computer Links

PART NUMBER	DESCRIPTION
CNFE4TX4US	10/100 Mbps Ethernet 4 port transceiver

**Features**

- 10/100 Mbps Ethernet
  - 10/100 BASE-T/TX electrical ports
  - Full Duplex or Half Duplex
- Electrical ports support Auto-Negotiation for 10 Mbps or 100 Mbps, full duplex or half duplex data.
- Transparent to data encoding and compatible with major data protocols
- 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. (In Process)
- Voltage transient protection on all power and signal input/output lines provides unconditional protection from power surges and other voltage transient events.
- Power LED indicator
- IEEE 802.3 compliant
- Lifetime Warranty

specifications

DATA

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

CABLE

CAT5E/6

CONNECTORS

Power: Terminal Block  
Data: RJ-45

LED INDICATOR

- Electrical Link/Data Activity  
- Power

ELECTRICAL & MECHANICAL

Power: 8-24 VDC @ 500 mA  
Surface Mount: From Rack  
Rack Mount: 1  
Number of Rack Slots: Automatic Resettable  
Current Protection: Solid-State Current Limiters  
Circuit Board: Meets IPC Standard  
Size (in./cm) (LxWxH): 6.1 x 5.3 x 1.1 in.,  
(15.5 x 13.5 x 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)†

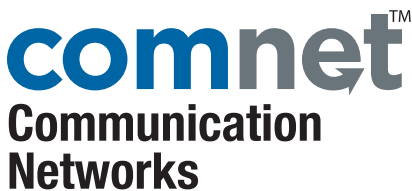
AGENCY COMPLIANCE



† May be extended to condensation conditions

PART NUMBER	DESCRIPTION	DISTANCE
CNFE4TX4US	4 Port 10/100 Mbps Ethernet Transceiver	See SFP Modules data sheet for optional distances, fiber type and connector type.
Accessories	9 Volt DC Plug-in Power Supply, 90-264 VAC, 50/60 Hz (Included)	
Options	Add suffix '/C' for Conformally Coated Circuit Boards (Extra charge, consult factory) Small Form-Factor Pluggable Modules (See SFP Data sheet)	

NOTE: This product requires a fiber installation with a minimum 30 dB connector return loss.  
The use of Super Polish Connectors is recommended.  
Complies with FDA Performance Standard for Laser Products, Title 21, Code of Federal Regulations, Subchapter J  
In a continuing effort to improve and advance technology, product specifications are subject to change without notice.



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