

Gigabit 8 port Ethernet unmanaged switch



Description

The ComNet™ CNGE8US Ethernet 8 port unmanaged switches are designed to transmit and receive 10/100/1000 Mbps data using small form factor pluggable modules. It is 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 optical adjustments. Packaged in the exclusive ComNet ComFit housing, these units may be either wall or rack-mounted, or may be DIN-rail mounted by the addition of ComNet model DINBKT1 adaptor plate.

Applications

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

Features

- 10/100/1000 Mbps Ethernet
 - 1000 BASE-FX optical port
- Optical port supports 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 optical adjustments required
- Voltage transient protection on all power and signal input/output lines provides unconditional protection from power surges and other voltage transient events.
- Power and Port status LED indicators
- IEEE 802.3 compliant
- Hot-swappable rack modules
- Interchangeable between stand-alone or rack mount use
 - ComFit
- Lifetime Warranty

(SFP) = Small Form-Factor Pluggable Module



specifications

DATA

Data Interface: Ethernet
 Data Rate: 10/100/1000 Mbps
 IEEE 802.3 Compliant; Full Duplex or Half Duplex Electrical P0rts/Full Duplex Optical Port
 Operating Mode: SFP Dependent

FIBER CONNECTORS*

Requires selection of sold-separately SFP modules. See ComNet data sheet "SFP Small Form-Factor Pluggable Modules" for number and description of SFP modules.

CONNECTORS

Power: Terminal Block
 Optical: LC or SC (SFP dependent)
 Data: SFP dependent

LED INDICATORS

- Optical Link/Data Activity
- Electrical Link/Data Activity
- Power

ELECTRICAL & MECHANICAL

Power: 9-24 VDC @ 700 mA
 Surface Mount: From Rack
 Rack Mount: 2
 Number of Rack Slots: Automatic Resettable Solid-State Current Limiters
 Current Protection: Meets IPC Standard
 Circuit Board: 6.1 x 5.3 x 2.2 in., (15.5 x 13.5 x 5.6 cm)
 Size (in./cm) (LxWxH)
 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)†

* Multimode fiber needs to meet or exceed fiber standard ITU-T G.651. Single mode fiber needs to meet or exceed fiber standard ITU-T G.652

† May be extended to condensation conditions



PART NUMBER	DESCRIPTION	DISTANCE
CNGE8US	8 Port 1000 Mbps Ethernet Unmanaged Switch	See SFP Modules data sheet for optional distances, fiber type and connector type.
Accessories	12 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)	
	DIN-Rail Mounting Adaptor Plate Kit – With mounting hardware (Optional, order model DINBKT1)	

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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