



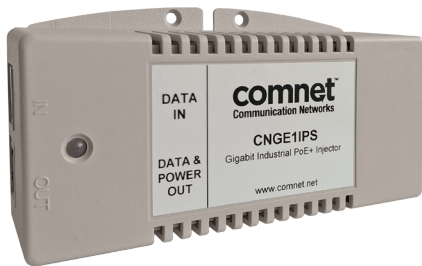
INCLUDED



1000 MBPS



802.3at



The ComNet™ CNGE1IPS is an industrial power over Ethernet (PoE+) midspan injection module that injects 56 VDC at 0.625 amperes to any network cable. Operating power and 10/100/1000T(X) Ethernet data are easily combined on one cable, eliminating the need to install additional power outlets and electrical cabling. The CNGE1IPS is fully compliant with the requirements of IEEE 802.3at for Power Sourcing Equipment (PSE), and features auto detection of powered devices (PDs). Transmission distances of up to 330 feet (100 meters) are supported, and this injector supplies operating power for all PDs drawing a maximum of 30 watts. The unit provides AC line and powered device over-voltage and short circuit protection. Ideally suited to fiber optic, wireless, or other networks where it may be difficult to furnish operating power to the PDs, the CNGE1IPS is a true plug-and-play product requiring no user configuration or other set-up.

FEATURES

- › Easily combines operating power and 10/100/1000T(X) Ethernet data to one network cable
- › Fully Compliant with IEEE Standard 802.3at for Power Sourcing Equipment
- › Housed in a compact, rugged, light-weight package
- › Internal 90 to 264 VAC power supply provides short circuit protection for powered devices
- › Designed for deployment in industrial -25° to +75° C operating environments.
- › Rugged, compact package for installation where space may be limited
- › Ease of installation & true plug-and-play operation: no user configuration or settings required
- › UL, CSA, FCC, CE, EN60950-1, and RoHS Approved
- › 5 Year Warranty

APPLICATIONS

- › Remote operating power for IP CCTV cameras for security and surveillance systems
- › Remote operating power for Voice over IP (VoIP) telephony networks
- › Remote operating power for wireless LAN access points
- › Industrial Security, Transportation/ITS, and Industrial Control/Factory Automation IP Networks

SPECIFICATIONS

Standard	IEEE802.3 10BASE-T IEEE802.3u 100BASE-TX IEEE802.3ab 1000BASE-T IEEE802.3at PoE+
Connector	RJ45 Data In/Out: Data/signal pairs pin (1,2) (3,6) (4,5) (7,8) RJ45 Power out: Power over pairs: 4,5(V+), 7,8(V-)
Power	Power Consumption: 35W Max Input Power Supply: AC 90~264V, 47~63 Hz, 0.75A @ 120VAC (0.39A @ 230VAC) Power Output: 56 VDC @ 0.625 A
Indicating LEDs	System: PoE+ Output (green)

Electrical & Mechanical	
Size	4.9 × 3.0 × 1.5 in (12.5 × 7.5 × 3.8 cm)
Shipping Weight	<2 lbs./0.9 kg

Environmental	
MTBF	>50,000 hours
Operating Temp	-25° C to +75° C
Storage Temp	-40° C to +80° C
Relative Humidity	5% to 90% (non-condensing)

Approvals & EMC Compliance	
EMI	FCC Class B, EN55022 Class B
Safety	UL 1950, CSA 22.2, TUV EN60950-1

ORDERING INFORMATION

Part Number	Description
CNGE1IPS	Industrial Gigabit Power over Ethernet midspan injector, compatible with IEEE802.3at

TYPICAL APPLICATION

