



The ComNet CNGE1IPS95 is an industrial power over Ethernet (PoE+) midspan injection module that injects 48-56 VDC at up to 95 W 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 CNGE1IPS95 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 95 watts. Ideally suited to fiber optic, wireless, or other networks where it may be difficult to furnish operating power to the PDs, the CNGE1IPS95 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
- › Provides up to 95 W of PoE power for ultra high power PD devices
- › Designed for deployment in industrial -40° 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
- › Unit can be DIN rail mounted or wall mounted using the included adaptor kit

## 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

Ethernet Standards

- IEEE802.3 10BASE-T
- IEEE802.3u 100BASE-TX
- IEEE802.3ab 1000BASE-T
- IEEE802.3at PoE+

Connectors

- RJ45 Data In/Out: Data/signal pairs pin (1,2) (3,6) (4,5) (7,8)
- RJ45 Power out Power over pairs: 3,6(V+), 4,5(V+), 1,2(V-), 7,8(V-)

Power

- Power Consumption 1 W Max (without PoE Load)
- Input Power Supply 48-56 VDC Dual Input
- Power Output 48-56 VDC @ 95 W Max

Electrical & Mechanical

- Indicating LEDs Power 1, Power 2, PoE Output
- Size 4.1 × 1.3 × 3.2 in (10.4 × 3.2 × 8.2 cm)
- Shipping Weight <2 lb /0.9 kg

Environmental

- MTBF >500,000 hrs (MIL-HDBK-217F) at 25°C
- Operating Temp -40° C to +75° C
- Storage Temp -40° C to +80° C
- Relative Humidity 5% to 95% (non-condensing)

Approvals & EMC Compliance

- EMI FCC Part 15 Subpart B Class A, CE EN 55022 Class A
- Safety IEC EN60950-1
- Vibration EN 50155 / EN 60068-2-6
- Shock EN 50155 / EN 60068-2-27
- Free Fall EN 50155 / EN 60068-2-32

ORDERING INFORMATION

Part Number	Description
CNGE1IPS95	Industrial 60/95 W Gigabit Power over Ethernet midspan injector, compatible with IEEE802.3at
Included Accessories	Wall Mounting Adaptor Kit
Optional Accessories	Industrial DIN Rail 48-56 VDC Power Supply (Order ComNet part PS-DRA120-48A)

TYPICAL APPLICATION

