| DIN RAIL | -40º TO +75º | 1000 MBPS | 95 W PoE++ | 60 W PoE++ | 30 W PoE+ |

The ComNet CNGE1IPSXXAC series consists of industrial Power over Ethernet midspan injection modules that inject 50-57 VDC at to any network cable. Operating power and 10/100/1000TX 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 328 feet (100 meters) are supported, and this injector supplies operating power for PDs drawing a maximum of 75 and/or 95 watts (model dependent). Ideally suited to fiber optic, wireless, or other networks where it may be difficult to furnish operating power to the PDs, the CNGE1IPSXXAC series offers a true plug-and-play product requiring no user configuration or other set-up.

FEATURES

› Easily combines operating power and 10/100/1000TX Ethernet data to one network cable

› Fully Compliant with IEEE Standard 802.3at for Power Sourcing Equipment

› Provides up to 75 W or 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 with built-in AC-to-DC power supply

› Ease of installation & true plug-and-play operation: no user configuration or settings required

› Unit is designed to be wall mounted

› Provides 6 KV (10/700μs) surge protection

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	100-240 VAC Input
Power Output	50-57 VDC @ 75 W Max
	50-57 VDC @ 95 W Max

AC Surge Protection
Line-Earth 1.2/50µs (8/20µs)	6 KV
Line-Line 1.2/50µs (8/20µs)	4 KV

PoE Surge Protection
Protected line	1,2,3,4,5,6,7,8
Common mode (10/700µs)	6 KV
Differential mode (10/700µs)	1.5 KV

Electrical & Mechanical
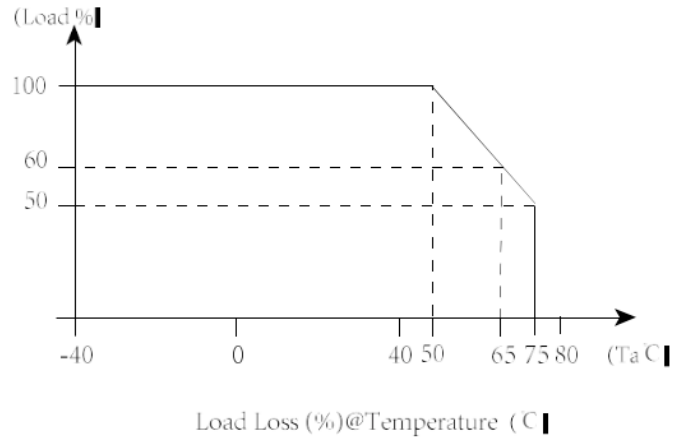|	
Indicating LEDs	Power, PoE Load
Enclosure	IP 20 Black powder-coat aluminum
Installation	Wall mount
Size	75W: 8.1 × 5.1 × 1.6 in (20..4 × 13.0 × 4.1 cm)
	95W: 8.4 × 5.3 × 1.6 in (21.4 × 13.4 × 4.1 cm)
Shipping Weight	75W: <2 lb / 0.74 kg
	95W: <2 lb / 0.92 kg

Environmental
MTBF	>500,000 hrs (MIL-HDBK-217F) at 25ºC
Operating Temp	-40˚ C to +75˚ C
Storage Temp	-40˚ C to +80˚ C
Relative Humidity	10% to 90% (non-condensing)

Approvals & EMC Compliance
EMI	FCC Part 15 Subpart B Class A, CE EN 55022 Class A
Safety	cUL/UL

Performance

Load Loss (%)@Temperature (C

ORDERING INFORMATION

Part Number	Description
CNGE1IPS75AC	Industrial 75 W Gigabit Power over Ethernet midspan injector, compatible with IEEE802.3at, with power cord.
CNGE1IPS95AC	Industrial 95 W Gigabit Power over Ethernet midspan injector, compatible with IEEE802.3at, with power cord.

TYPICAL APPLICATION

Low Power Consumption