



ComNet CWPOEIPS-15 is a low-cost power over Ethernet (PoE) midspan injection module that injects 48 VDC at 0.3 amperes to the unused pairs of any UTP or STP CAT-3, CAT-4, or CAT-5 network cable. Operating power and 10/100TX Ethernet data are easily combined on one cable, eliminating the need to install additional power outlets and electrical cabling. Housed in a compact, rugged, light-weight package, and utilizing a completely self-contained 100 to 240 VAC input power supply, the CWPOEIPS is fully compliant with the requirements of IEEE 802.3af 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 15.4 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 CWPOEIPS is a true plug-and-play product requiring no user configuration or other set-up. The unit is designed for deployment in benign/conditioned 0 to +45 degree C operating environments.

FEATURES

- › Easily Combines Operating Power and 10/100TX Ethernet Data to One Network Cable
- › Fully Compliant with IEEE Standard 802.3af for Power Sourcing Equipment
- › Internal 100 to 240 VAC Power Supply Provides Short Circuit Protection for Powered Devices
- › 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, CUL, 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

Connectors

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

Network Cable

10BASE-T	UTP/STP CAT-3,4,5 cable EIA/TIA-568 100 ohm (100m)
100BASE-TX:	UTP/STP CAT-5 cable EIA/TIA568 100 ohm (100 m)

Power

Power Consumption	19 W
Input Power Supply	100~240 VAC, 50~60Hz, 0.3 A
Power Output	48 V @ 0.3A

LED Indicators

System	Power
--------	-------

Environmental

Operating Temperature	0°C - 45°C
Storage Temperature	-40°C - 70°C
Operating Humidity	10% - 90% Humidity (non-condensing)

Ethernet Standards

IEEE802.3 10BASE-T
IEEE802.3u 100BASE-TX
IEEE802.3af PoE

Approvals and EMC Compliance

EMI	FCC Class B, CE
Safety	UL, cUL, CE/EN60950-1



ORDERING INFORMATION

Part Number	Description
CWPOEIPS-15	Power over Ethernet midspan injector, compatible with IEEE802.3af

TYPICAL APPLICATION

