

iluminar

IL-PoE35 Series

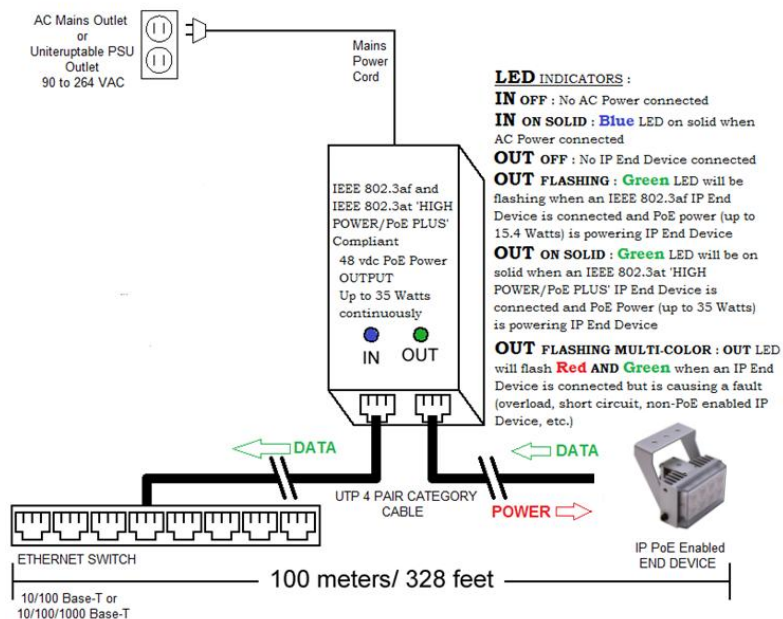
Product Features

- High Power/PoE PlusMidspan Injector
- Power over Ethernet (PoE)
- Single Port
- Compatible with iluminar PoE illuminators
- Output up to 35 Watts PoE continuous power
- IEEE 802.3at and 802.3af compliant
- Class detection
- 2years warranty



Functionality

The LAN Power Model **IL-PoE35** Single Port High Power/PoE PlusMidspan Injector supports powering IP End Devices such as iluminar PoE powered illuminators over an Ethernet cable. The Single Port High Power/PoE PlusMidspan Injector adds up to 35 watts continuously at ~48 VDC to unused (non-data) wires in a standard Category 5, 5e, or 6 Ethernet cable. The IL-PoE35 delivers both data and power over a single standard Ethernet cable to a PoE enabled End device designed to receive both Data and Power through its RJ45 connector. The second RJ45 passes data only through to the Ethernet Switch. The maximum cable distance from the Ethernet Switch to the end IP Device is 328 feet/100 meters.



Models

Model Number	Power Cord
IL-PoE35NA	North American
IL-PoE35EU	European
IL-PoE35UK	UK

General

Output	Wattage 35 Watts continuous
Data Links Supported	10Mbps, 100Mbps or 1000Mbps (Gigabit Compatible)
LED indicators	Display powerstatus
Surge Protection	Over voltage current & short circuit protected
Bracket	Wall mounting bracket
Power Cord	IEC320 inlet 2-pin C8 Cord
Compatible Devices	Any PoE Compliant Device
Warranty	Full 2 Year Product Warranty
Weight	6.3 oz. (0.18 Kg)
Dimensions	5.04" x 2" x 1.38" (128 x 51 x 35mm)

Environmental

Operating Temperature:	-4° to 104°F (-20° to 40°C) @35W -4° to 131°F (-20° to 55°C) @25W -4° to 140°F (-20° to 60°C) @20W
Relative Humidity:	5% to 90% non-condensing

Ethernet Data Throughput

Throughput Speed	10 Mbs Ethernet, 100 Mbs Fast Ethernet or 1000 Mbs (Gigabit compatible)
Connector Type	Non-Shielded RJ-45 meets EIA 568A and 568B

Electrical

AC Power Input

Power Cord type:	Removable with IEC 320-C8 2 pin connector
Power Supply:	Single, Internal
Voltage Range:	90 - 264VAC autosensing
Voltage Rating:	100 - 240VAC
Frequency Range:	47 - 63Hz
Frequency Rating:	50 - 60Hz
Max. In-rush Current:	60A Max. @ 240VAC

DC Power Output

PoE Protocol:	IEEE 802.3af & 802.3at with Class Detection
Power on Data Pins:	3 & 6 (+), 1 & 2 (-)
Output Voltage:	+56VDC (+1V/-2V)
Max. Power on Port:	35 Watts-Class 4 @ 40°C (exceeds PoE Standard)
Load:	10mA (Min.) 0.35A (Max.)
Regulation (Line/Load):	± 5%
Efficiency:	80% (typical) at Max. load, & 120VAC 60Hz, class 4
Hold-up Time:	10mS

Certifications

Safety Approvals	<ul style="list-style-type: none"> ▪ FCC ▪ CE ▪ UL/cUL
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Compliant and exceeds IEEE 802.3at and 802.3af 'High Power/PoE Plus' Power over Ethernet Standards