Active Cabling System

i-Net Networks PoE Injector

Compliance

Meets EN5022
Meets EN55024
Meets IEEE 802.3af/at
Meets CE LVD/EN60950
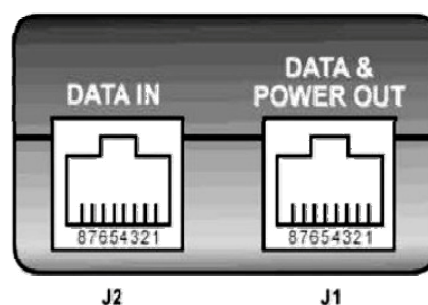Meets FCC PART 15 SUB-PART B2010
Meets RoHS

Description

The PoE Injector enables to merge the power supply and data to one Ethernet cable and supply them to the devices with PoE port 48v DC. Suitable for the devices which support Passive PoE.

Feature

Compact design with exclusive interlocking installation
Full Protection OCP, OVP
Low Cost Ultra PoE
Non-Vented Case
Gigabit Compatible
Supports IEEE 802.3af/at solution
Continuous flow of power with no detection
230v AC Power supply

Wiremap

J2 PINs		J1 PINs	
1	Data	1	Data
2	Data	2	Data
3	Data	3	Data
4	Data	4	+VDC & Data
5	Data	5	+VDC & Data
6	Data	6	Data
7	Data	7	-VDC & Data
8	Data	8	-VDC & Data

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Technical

Power & Data:

Output voltage	A17G-Auto voltage, max 17W / A25G+-Auto voltage, max 25W 480035G-48V, 15.4W / 480050G+-48V, 24W
Input voltage	220~240V AC, 47~63 Hz
Input inrush current (typical)	20A Max (cold start@25°C at AC input 240V)
Input connector	IEC320-C14 (inlet 3 pin)
Indicators functions (LED)	Green-Input power, Yellow-Output activity, Blink-Load error
Ports	Single port data & power out
Data LAN	10/100/1000T RJ-45 female
Data & power out	+VDC on pins 4 & 5, -VDC on pins 7 & 8, Full Duplex Data on pins 1, 2, 3 & 6

Environment & Protection:

Short circuit	Recovers automatically after fault condition is removed
Overload	Protects up to 145~160% above peak rating
Temperature	Shuts down output voltage, re-power to recover
Working temperature	0°C~+45°C (41°F to 113°F)
Working humidity	10~90%RH non-condensing
Storage temperature	-20°C~+70°C (-4°F to 136°F)
Storage Humidity	8~90%RH

Safety & EMC:

Safety standards	CE LVD/EN60950
Withstand voltage	I/P-O/P: 3.0KV AC, IP-GND: 3.0KV AC
EMC EMI compliant	EN5022, EN55024, FCC PART 15 SUB-PART B2010
RoHS Compliant	Yes
MTBF	50,000 hours

Physical:

Dimension & Weight	LxWxH - 145x60x40 mm, Weight - 230g/piece without power cable

Ordering

PSE-A17G	i-Net Networks PoE Injector Gigabit Auto 17W 220V AC
PSE-A25G+	i-Net Networks PoE+ Injector Gigabit Auto 25W 220V AC
PSE-480035G	i-Net Networks PoE Injector Gigabit 48V 15.4W 220VAC
PSE-480050G+	i-Net Networks PoE+ Injector Gigabit 48V 24W 220V AC