POWER OVER ETHERNET ADAPTER
60W 4-PAIR HIGH POWER PoE

Model No: - TPE 1060

Description:

Telenet's Midspan POE is a Power-over-Ethernet (PoE) power supply with integral DC Injector. It is a single-port Power-over-Ethernet (PoE) Midspan to feature gigabit switching support and high efficiency four-pair operation compliant with the IEEE 802.3at power-over Ethernet (PoE) power specifications. It provides DC power for one PoE-equipped device by "Injecting" DC power through the CAT5e Ethernet cable.

Telenet's Midspan PoE can source 15W to 120W of Power:

Telenet's Midspan PoE can deliver power as per the IEEE802.3af and IEEE802.3at standards. Simultaneously for Power Devices that demand more power than that specified by these standards we have a proprietary range, wherein power can be sourced on 2-pair as well as 4-pairs, also this per port power rating can be increased from 30W up to 240W, thereby considerably increasing the delivered to the Power Device.

Telenet's MIDSPAN POE CAN SOURCE POWER IN THE FOLLOWING MODES:			
IEEE Standard	No of Pairs	Power distribution	Total Power
802.3at compliant power	4-pair	Spare Pair (30W) & Data Pair (30W)	60W
Proprietary–Matching PD device are available	2-pair	Spare Pair (30-120W) or Data Pair (30-120W)	30W – 120W
Proprietary –Matching PD device are available	4-pair	Spare Pair (30-120W) & Data Pair (30-120W)	60W – 240W
802.3af compliant	2-pair	Spare Pair (15.5W) or Data Pair (15.5W)	15.5W
802.3at compliant	2-pair	Spare Pair (30W) or Data Pair (30W)	30W

Note: Telenet's Midspan PoE that delivers 60W power over four pairs of CAT5e Ethernet cable with max. 100m cable length can deliver a minimum power of 25.5W+25.5W = 51W for PD consumption.

Additionally Telenet's Midspan PoE has advanced features like –

➢ Legacy PD Detection: It is backward compatible i.e. it can power legacy pre-standard Power Devices that use large capacitance as the detection signature that do not completely comply with the 802.3af specs.
➢ Advanced Power Management: This includes programmable Limit and Overload currents, Fast Shut Down, Voltage and Current Monitoring **and 2-event Classification.**
➢ Low Heat Dissipation allows support for outdoor applications.
➢ Different types of faults will be indicated by LED indication for quick analysis.

Installation and Management:

- ➢ Plug and Play installation.
- ➢ Telenet's Midspan POE device automatically detects other POE enabled devices and supplies inline power.
- ➢ Local LED Management display indicated the status of AC Power, PoE (power good) and PoE Error conditions

SPECIFICATION	
Ethernet Connectors	RJ45 Jacks (2)
Ethernet Data Rate	10/100/1000Mbps Ethernet
No.of Ethernet Devices that can be powered	Single
Data Lines	Pair 1: Pins 1/2
	Pair 2: Pins 3/6
CAT-5 Power (PoE) Pinout	+ VDC: Pins 4/5
	- VDC: Pins 7/8
	+ VDC: Pins 1/2
	- VDC: Pins 3/6
Nominal Output Voltage	(48VDC-57VDC) (Typical: 54V)
Input	110-250 VAC 50Hz OR -48V DC
IEEE Compliant	IEEE802.3af Compliant
	IEEE802.3at Type1 and Type2 Compliant.
Protection	Port Overload protection,
	Port Inrush and Short-Circuit protection,
	Thermal Protection,
	Open-Circuit Protection.

Applications for this Power-Over-Ethernet product

- • Wireless LAN Access Points and Bridges
- • Wifi Amplifiers and Amplified Antennas
- • WiMAX
- • VoIP (Voice over Internet Protocol) Telephones
- • IP Surveillance Cameras

- Bluetooth® Access Points
- Microwave Radios