

POE3000 Series POE+ Gigabit Media Converters

Alloy's POE3000 Series PoE+ media converters are stand-alone media converters used to power PD devices. The media converters give the ability to add POE devices to your network at remote locations where distance limitations do not allow direct copper connections.

The POE3000 Series media converters support two types of media 10/100/1000Base-TX and 1000Base-SX/LX or a SFP module slot.

With LFP (Link Fault Propagation) support it allows the administrator to easily diagnose link faults on their network. If the Copper or Fibre link fails, the converter forces the link status of the connecting device to also fail. Two methods of LFP are supported including FEF (Far End Fault) and Forced Mode.

The POE3000 Series of media converters are designed for applications where the supply of power to attached Ethernet devices needs to be via the network connection, rather than by a power cord. Typical devices that use this method of powering are VoIP Phones, Wireless Access points and IP based Cameras.

The POE3000 Series media converters are fully compliant to the IEEE 802.3at standard. The converters support all relevant 802.3at standards and support features such as signature sensing and power monitoring features compliant with the IEEE 802.3at standard, including, PD discovery, classification, current limiting and other necessary functions. It also supports high levels of safety support with short circuit protection and power-out auto-detection to the PD.



Key Features

- Power PoE PD devices such as IP Phones, IP Cameras over UTP data cable
- IEEE 802.3at PoE (Power over Ethernet) PSE compatible
- Comprehensive PoE functions: PD Signature Sensing, power monitoring and current protection
- Supports Gigabit media conversion: copper-to-fibre
- 10/100/1000Mbps auto-negotiation on RJ-45 copper port
- Maximum fibre link ranges: 50kms (fixed fibre port models) or 120 Kms (SFP model)
- LC, SC and ST fixed fibre port connector models
- Flexible SFP fibre interface model - install Alloy or third party SFP modules
- Far-End-Fault and Forced mode LFP supports easy link fault monitoring and auto link shutdown
- 3 Year Warranty

Specifications

Part Numbers

UTP to Multimode	UTP to Singlemode	UTP to SFP
POE3000SC POE3000LC POE3000ST	POE3000SC.50	POE3000SFP

Cable

UTP	Fibre
Cat. 5 cable and up to 100m	1000SX: 50/125, 850nm, 62.5/125 multi-mode 1000LX: 1550nm, 8.3/125, 8.7/125, 9/125 or 10/125µm single-mode

Connector Types

UTP	Fibre
RJ-45	SC, LC, ST, SFP Slot

Poe Power Capacity

Total PoE Power	PoE Pins	PoE Per Port	PoE Per Port (Full Load)
30W	1, 2, 3 & 6	802.3af; 15.4W 802.3at; 30.0W	30W

Voltage and Frequency

Input Voltage	Frequency
100-240 VAC	50 ~ 60 Hz

Environmental

Operating Temperature		Storage Temperature		Altitude		Operating Humidity
Fahrenheit	Centigrade	Fahrenheit	Centigrade	Feet	Metres	5% to 95% non-condensing
32° to 122°	0° to 50°	-4° to 158°	-20° to 70°	< 10000	< 3000	

Weights and Dimensions

Dimensions (WxHxD)		Weight	
Millimetres	Inches	Kilograms	Pounds
40 x 158 x 133	1.57 x 6.22 x 5.23	0.75	1.65

Warranty Information

Warranty
3 Year Warranty

Package Contents

- POE3000 Converter
- Power Cable
- Warranty Information

Ordering Information

Model	Description
POE3000SC	10/100/1000Base-T PoE+ RJ-45 to 1000Base-SX MM (SC) Converter. Wavelength: 850nm. Max. range 550m
POE3000ST	10/100/1000Base-T PoE+ RJ-45 to 1000Base-SX MM (ST) Converter. Wavelength: 850nm. Max. range 550m
POE3000LC	10/100/1000Base-T PoE+ RJ-45 to 1000Base-SX MM (LC) Converter. Wavelength: 850nm. Max. range 550m
POE3000SC.50	10/100/1000Base-T PoE+ RJ-45 to 1000Base-LX SM (SC) Converter. Wavelength: 1310nm. Max. range 30Km
POE3000SFP	10/100/1000Base-T PoE+ RJ-45 to SFP Converter

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