

POE2000 Series PoE Gigabit Media Converters

Alloy's POE2000 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 POE2000 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 POE2000 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 POE2000 Series media converters are fully compliant to the IEEE 802.3af standard.

The converters support all relevant 802.3af standards and support features such as signature sensing and power monitoring features compliant with the IEEE 802.3af 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 802.3af PoE (Power over Ethernet) PSE compatible
- Comprehensive PoE functions: PD Signature Sensing, power monitoring and current protection
- Supports Gigabit media conversion: copper-to-fibre and multimode/singlemode fibre-to-fibre
- 10/100/1000Mbps auto-negotiation on RJ-45 copper port
- Maximum fibre link ranges: 50kms (fixed fibre port models), 20Kms (WDM 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 mini-GBIC modules
- WDM models for 1000Base-LX singlemode/singlecore media conversion
- Far-End-Fault and Forced mode LFP supports easy link fault monitoring and auto link shutdown
- 3 Year Warranty

Specifications

	UTP to Multimode	UTP to Singlemode	UTP to WDM	UTP to SFP
Part Numbers	POE2000SC	POE2000SC.10	POE2000S3.20	POE2000SFP
	POE2000ST	POE2000SC.30	POE2000S5.20	
	POE2000LC	POE2000SC.50		
		POE2000LC.10		
		POE2000LC.30		
Speed	10/100/1000Mbps (10/100/1000Base-T, 1000Base-SX or 1000Base-LX)			
Cable Types	1000Base-SX: 50/125, 62.5/125, or 100/140µm multimode			
	1000Base-LX: 8.3/125, 8.7/125, 9/125 or 10/125µm singlemode			
Connector Types	TX: RJ-45	TX: RJ-45	TX: RJ-45	TX: RJ-45
	FX: SC/ST/LC	FX: SC/LC	FX: SC (single fibre)	LC via SFP Module
Max Range	100m			
	220/550m	10/30/50Km	20Km	Upto 120Km
Duplex	TX/FX: Full			
Wavelength	850nm	Range 10 - 30Km: 1310nm	S3: TX: 1310nm RX: 1550nm	
		Range 50Km >: 1550nm	S5: TX: 1550nm RX: 1310nm	
Min. TX Output	-9.5dBm	10Km: -9.5dBm	20Km: -9dBm	
		30Km: -4dBm		
		50Km: -4dBm		
RX Sensitivity	-18dBm	10Km: -20dBm	20Km: -21dBm	
		30Km: -23dBm		
		50Km: -23dBm		
Link Fault Pass-Through	Yes - Far End Fault (FEF) and Forced Mode			
Diagnostic LEDs	4W, 7W, 15.4W, TX Link/ACT, SPD, POE, FX Link/ACT, PWR			
PSE Power Feeding	Endpoint via TP pins 1, 2, 3 and 6			
Total Power Consumption	24W			
Power and Install	Standalone			
Power Input	100~240VAC 50~60Hz			
Ambient Temperature	0°C - 50°C			
Humidity	5% - 90%			
Dimensions	40(H) x 158(W) x 133(D) mm			
Weight	750 grams			
Compliance	FCC Part 15 Class A, CE Mark, C-Tick/RCM			
Warranty	3 Years			

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