



POE100 & 200 SERIES POE MEDIA CONVERTERS

Alloy Networking
& Communications



PROVIDES DATA AND POWER OVER EXISTING UTP CABLE

Alloy's POE100 and POE200 series Converters provide solutions for combining the range and security of fibre optic networking with the ability of standards-based IEEE 802.3af PoE devices to power devices such as IP Phones via UTP cable. These Converters are Power Source Equipment (PSE) devices, which combine data received over a fibre optic link with -48VDC power, providing power to PoE powered devices such as Alloy POE120 Series Converters and IP Phones. All Alloy PoE Converter models include 802.af signature sensing and power monitoring features such as PD discovery, classification and current limiting. Safety features such as short circuit protection and power-out auto-detection are supported.

All PoE Converter models support LFP (Link Fault Propagation), enabling easy diagnosis of link faults on the network - If the copper or fibre link fails, the Converter forces the link status of the connecting device to also fail. POE200 models support FEF (Far End Fault) and FL (Forced Link) LFP modes; POE100 models support FEF mode only.

Technical Specifications

Standards	IEEE 802.3u 10/100Base-TX, 100Base-FX, IEEE 802.3af Power Over Ethernet
UTP Cable:	Cat. 5e/Cat. 6 cable, maximum range 100 metres
Fibre Cable:	50/125, 62.5/125, 100/140µm multimode; 8.3/125, 8.7/125, 9/125, 10/125 µm singlemode
Power Feeding:	Via TP Pins 1, 2, 3 and 6
LFP Modes:	POE200 series - Far End Fault & Forced Link. POE100 series: Far End Fault
LED Indicators:	Power, POE, TP LNK/ACT, 100, FX LNK/ACT, FDX/COL, 4W, 7W, 15.4W
Data Transfer Rate:	100Mbps: 148,800pps, 10Mbps: 14,880pps
Flow Control:	IEEE 802.3x compliant for Full Duplex, Backpressure flow control for Half Duplex
Power Requirements:	AC 100-240V 50-60Hz
Power Consumption:	24W
Ambient Temperature:	0° to 50° C
Humidity:	5% to 90%
Dimensions:	40(H) x 158(W) x 133(D) mm
Certifications:	Complies with C-Tick, FCC Part 15 Class A and CE Mark   
Ordering Information:	Part No: POE100SC: 10/100Base-TX PoE to 100Base-FX multimode fibre (SC) Part No: POE100ST: 10/100Base-TX PoE to 100Base-FX multimode fibre (ST) Part No: POE200SC: 10/100Base-TX PoE to 100Base-FX multimode fibre (SC), Dual LFP modes Part No: POE200ST: 10/100Base-TX PoE to 100Base-FX multimode fibre (ST), Dual LFP modes

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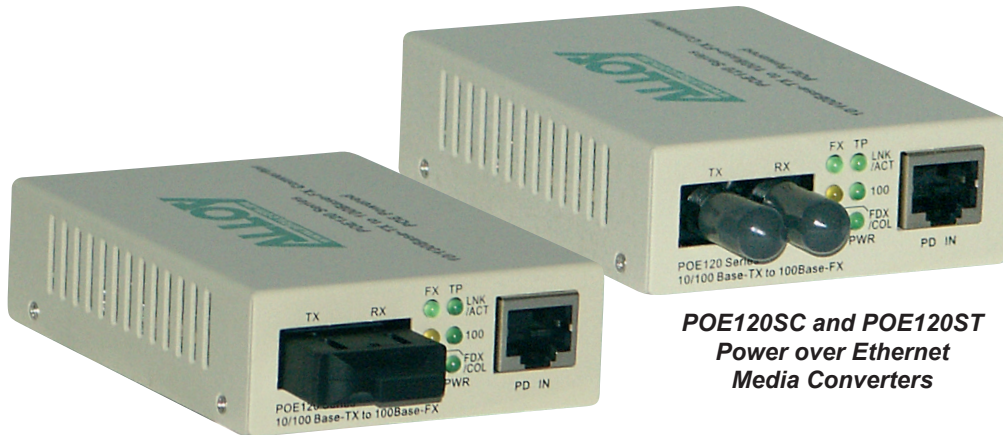
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POE120 SERIES POE MEDIA CONVERTERS

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POE120SC and POE120ST
Power over Ethernet
Media Converters

POE POWERED WITH FIBRE OPTIC RANGE AND SECURITY

Alloy's POE120 Series are Powered Device (PD) Media Converters, and are fully compliant to the IEEE 802.3af Power Over Ethernet standard. These Media converters can be powered by POE Power Source Equipment (PSE) such as Alloy's sister products, the POE100 Series. An advanced auto-sensing algorithm allows the unit to draw power from any 802.3af PSE device; high levels of safety support are ensured with short circuit protection and power-in auto-detection. With a 10/100Base-TX RJ-45 POE and a 100Base-FX port (available in either SC or ST formats), POE120 Converters can connect UTP copper and fibre network segments easily and inexpensively. Link Fault Propagation (LFP) support allows administrators to easily diagnose link faults on their network - if the copper or fibre link fails, the link status of a connecting device is also forced fail state.

Technical Specifications

Standards	IEEE 802.3u 10/100Base-TX, 100Base-FX , IEEE 802.3af Power Over Ethernet
UTP Cable:	Cat. 5e/Cat. 6 cable, maximum range 100 metres
Fibre Cable:	50/125, 62.5/125, 100/140µm multimode; 8.3/125, 8.7/125, 9/125, 10/125 µm singlemode
Power Reception:	'Endpoint' via TP Pins 1, 2, 3 and 6; 'Midspan' via TP Pins 4, 5, 7 and 8
LED Indicators:	Power, POE, TP LNK/ACT, 100, FX LNK/ACT, FDX/COL
Data Transfer Rate:	100Mbps: 148,800pps, 10Mbps: 14,880pps
Flow Control:	IEEE 802.3x compliant for Full Duplex, Backpressure flow control for Half Duplex
Power Requirements:	60mA@-48VDC from IEEE 802af compliant PSE device or POE Injector
Ambient Temperature:	0° to 50° C
Humidity:	5% to 90%
Dimensions:	26.2(H) x 70.3(W) x 94(D) mm
Certifications:	Complies with C-Tick, FCC Part 15 Class A and CE Mark CE FC N 866
Ordering Information:	Part No: POE120SC Description: 10/100Base-TX to 100Base-FX multimode fibre (SC) Converter, powered from a POE device. Max. Fibre range: 2Km Part No: POE120ST Description: 10/100Base-TX to 100Base-FX MultiMode Fibre (ST) Converter, powered from a POE device. Max. Fibre range: 2Km

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Quality
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