



APC100 Series

802.3at PoE Fast Ethernet Media Converters

Alloy's APC100 Series PoE media converters are standalone 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 APC100 Series media converters support two types of media 10/100Base-TX and 100Base-FX.

The APC100 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 APC100 Series media converters are fully compliant to the IEEE 802.3at/af standard.



Key Features

- IEEE 802.3at PoE (Power over Ethernet) PSE compatible
- 10/100Mbps auto-negotiation on RJ-45 copper port
- Maximum fibre link ranges: 20kms (fixed fibre port models)
- SC and ST fixed fibre port connector models
- Model with SFP Module Support
- Comprehensive PoE functions: PD Signature Sensing, power monitoring and current protection
- 3 Year Warranty

Specifications

	UTP to Multimode	UTP to Singlemode	UTP to SFP
Part Numbers	APC100SC APC100ST	APC100SC.20	APC100SFP
Speed	TX: 10/100Mbps FX: 100Mbps		
Connector Types	TX: RJ-45		
	FX: SC/ST	FX: SC	FX: SFP Module (LC)
Max Range	100m		
	2Km	20Km	Upto 120Km (SFP Module)
Duplex	TX/FX: Full / Half		
Flow Control	Full Duplex: 802.3x		
	Half Duplex: Backpressure		
Wavelength	1310nm	20Km: 1310nm	1310nm or 1550nm
PoE Pins	1, 2, 3 & 6		
Total PoE Power	Upto 25.5W (802.3at)		
Diagnostic LEDs	POE, PWR, SPD, TX Link/ACT, FX Link/ACT		
Power Requirement	Internal Power Supply 100 ~ 240VAC 50~60Hz		
Temperature / Humidity	0°C - 55°C / 10% - 90%		
Dimensions / Weight	42(H) x 185(W) x 140(D) mm / 750 grams		
Compliance	FCC Part 15 Class A, CE Mark, C-Tick/RCM		
Warranty	3 Years		



APC1000 Series

802.3at Gigabit Ethernet Media Converters

Alloy's APC1000 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 APC1000 Series media converters support two types of media 10/100/1000Base-TX and 1000Base-FX.

The APC1000 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 APC1000 Series media converters are fully compliant to the IEEE 802.3at/af standard.



Key Features

- IEEE 802.3at PoE (Power over Ethernet) PSE compatible
- 10/100/1000Mbps auto-negotiation on RJ-45 copper port
- Maximum fibre link ranges: 20kms (fixed fibre port models)
- SC and ST fixed fibre port connector models
- Model with SFP Module Support
- Comprehensive PoE functions: PD Signature Sensing, power monitoring and current protection
- 3 Year Warranty

Specifications

	UTP to Multimode	UTP to Singlemode	UTP to SFP
Part Numbers	APC1000SC APC1000ST	APC1000SC.20	APC1000SFP
Speed	TX: 10/100/1000Mbps FX: 1000Mbps		
Connector Types	TX: RJ-45		
	FX: SC/ST	FX: SC	FX: SFP Module (LC)
Max Range	100m		
	220 / 550m	20Km	Upto 120Km (SFP Module)
Duplex	TX/FX: Full		
Flow Control	Full Duplex: 802.3x		
Wavelength	1310nm	20Km: 1310nm	1310nm or 1550nm
PoE Pins	1, 2, 3 & 6		
Total PoE Power	Upto 25.5W (802.3at)		
Diagnostic LEDs	POE, PWR, SPD, TX Link/ACT, FX Link/ACT		
Power Requirement	Internal Power Supply 100 ~ 240VAC 50~60Hz		
Temperature / Humidity	0°C - 55°C / 10% - 90%		
Dimensions / Weight	42(H) x 185(W) x 140(D) mm / 750 grams		
Compliance	FCC Part 15 Class A, CE Mark, C-Tick/RCM		
Warranty	3 Years		