

# PC2000T2/SP

## SFP to PoE Media Converter



The Allied Telesis PC2000T2/SP Media Converter allows fiber, up to 120km using an SFP, to two port RJ45 with up to 30w of shared PoE across the two copper ports.

### External PSU

The external PSU allows for a much smaller footprint than other products in our PC line of media converters. No fan means silent operation for use in classrooms, small offices and other places where noise might be an issue.

### SFP's

The SFP port allows for both speed and distance to support whatever your network needs. The port can accept both 100mb or 1 gig SFP's. With our vast line of pluggables, distances can be anywhere from 200m to 120km.

### Powering remote devices

The PC2000T2/SP features 2 x 10/100/1000T PoE (30W shared) Twisted Pair Ports. It is the ideal solution for powering remote devices such as IP phones, video cameras, wireless access points, etc.

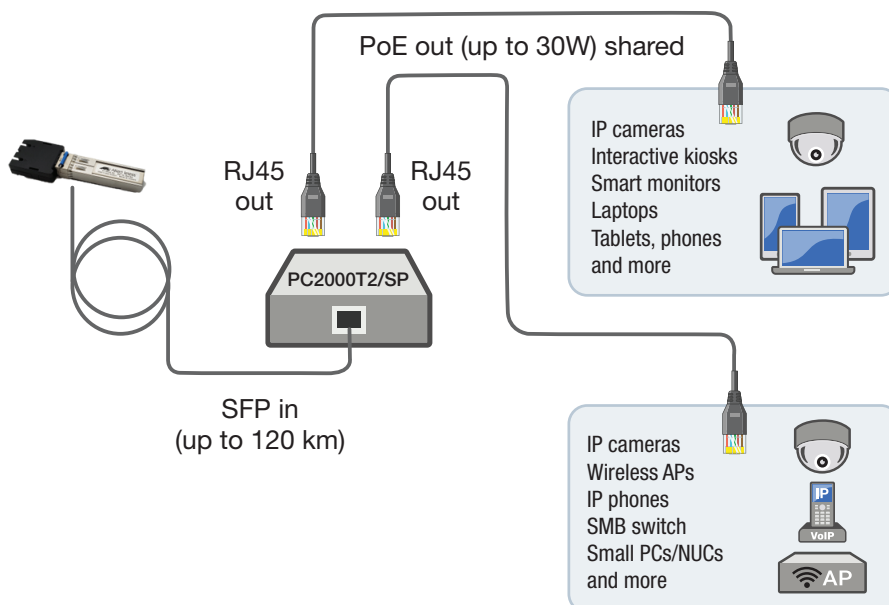
### VLAN support

VLAN/Jumbo Frame support the industry-standard IEEE 802.1Q specification for Virtual LANs (VLANs) that sends extra-long data packets on the network. PC Series switches are fully compatible with these long packets, enabling them to be used in modern networks. Switches not supporting this feature will discard these extra-long packets, making them unsuitable for modern networks.

## Key Features

- ▶ Convert speed as well as media type
- ▶ IEEE 802.3at Power over Ethernet (POE+) compliant
- ▶ Supplies up to 30W of PoE+ power (shared)
- ▶ Support 100 and 1000Mbps fiber SFP
- ▶ Auto MDI/MDI-X
- ▶ Supports jumbo frames, up to 10K bytes
- ▶ Support for multi-mode fiber
- ▶ 4K MAC address tables
- ▶ Store-and-forward switching mode
- ▶ Transparent to IEEE 802.1Q packets
- ▶ Standalone or wall mountable
- ▶ External power supply
- ▶ No Fan/Silent operation
- ▶ Available in Trade Agreement Act (TAA) models

\* Trade Agreement Act (TAA)



### 10/100/1000T Twisted Pair Port LEDs

The LEDs for the 10/100/1000T twisted pair port are described below.

LED	DESCRIPTION	
SYS	ON - System operating normally	'heartbeat' during normal operation
	OFF - System not running normally	
	Slow Blink - SFP Module fault or SFP not installed	
POE P2	POE power active Copper Port 2	
POE P3	POE power active Copper Port 3	
Fiber port	OFF - no link is established	
	ON - link is established	
	Blinking - activity is detected	
Copper LAN port 2 Left LED	OFF - no link is established	
	ON - link is established	
	Blinking - activity is detected	
Copper LAN port 3 Left LED	OFF - no link is established	
	ON - link is established	
	Blinking - activity is detected	

#### Operational Characteristics

MAC address table 1k addresses	
Forwarding/ filtering rate	1,488,000pps for 1Gbps 148,880pps for 100Mbps 14,880pps for 10Mbps
Latency	14.31sec (64 byte packet, 100Mbps full-duplex)
Maximum packet	10,000 bytes size

#### Optical Characteristics

Wavelength	Dependent on SFP
Fiber cable	Dependent on SFP
SFP	See specific SFP datasheet at <a href="http://www.alliedtelesis.com">www.alliedtelesis.com</a>

#### Transmit Power

PC2000T2	Min - 9.5dBm Max - 4dBm
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#### Receive Power

PC2000T2	Min - 17dBm Max - 3dBm
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#### Power Characteristics

Input voltage	54VDC External Power Supply
Power consumption	36W

#### Power over Ethernet

Operatating mode	IEEE 802.3at Mode A
Maximum power	30W (shared)

#### Environmental Specifications

Operating temperature	0°C to 50°C (32°F to 122°F)
Storage temperature	-25°C to 70°C (-13°F to 158°F)
Operating altitude	Up to 3,048 m (10k ft)
Relative humidity	5% to 95% (non-condensing)

#### Physical Characteristics

Dimensions (W x D x H)	9.80 cm x 12.85 cm x 2.54 cm (3.86 in x 5.06 in x 1 in)
Weight:	0.34 kg (0.75 lb)

#### Electrical/Mechanical Approvals

FCC Class B
EN55022 Class A
C-Tick

### Ordering Information

#### AT-PC2000T2/SC

2 x 10/100/1000T to SFP (100MB or 1000MB)

#### Accessories

Small Form Pluggables (SFPs)

#### AT-SPFX/2

Multi-mode Fiber, 2 km, 100FX, SF

#### AT-SPFX/SC

100FX (SC) multi-mode SFP, 2km

#### AT-SPFX30/I

100FX (SC) multi-mode SFP, 2km

#### AT-SPSX

Multi-Mode Fiber GbE SFP

#### AT-SPSX/SC

1000SX (SC) multi-mode SFP, 550m

#### AT-SPLX10a

1000LX (LC) single-mode, 10km

#### AT-SPLX40

1000EX (LC) single-mode, 40km

#### AT-SPZX120/I

1000ZX (LC) single-mode SFP, 120km

#### AT-SPBD10

1000LX (LC) single-mode BiDi SFP, 10

#### AT-SPBD20-xx/I

1000LX (SC) Single-Mode BiDi SFP, I- Temp, 20 km

#### AT-SPBD40-xx/I

1000LX (LC) single-mode BiDi SFP, I- Temp, 40km

#### AT-SPTXc

10/100/1000T (RJ-45) SFP, 100 m