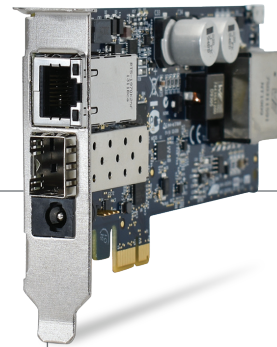


2914GP Series

PCI-Express Dual Port PoE+ Adapter



The Allied Telesis 2914GP PoE+ Network Adapter allows a PC to power a VoIP phone, or other traditional copper powered device, over a secure fiber network.

VoIP/PoE flexibility

The 2914GP is a two-port adapter with one SFP port and one 10/100/1000T copper port which is capable of supporting PoE+ devices up to 30W, up to the 802.3at standard of 25.5W.

The 2914GP is unique because it allows devices using copper connections, such as VoIP phones, Wi-Fi Access Points (APs) and cameras to communicate via a secure fiber network—without the additional expense of media converters or a separate network to segment the traffic, thus saving installation and maintenance costs.

VLAN capable

Vlan IDs for the copper and fiber port can be set via a USB console communication port located on the adapter bracket. This allows the copper and fiber port to send separate VLAN IDS during normal operation as well as during system power-off states. This allows logical grouping of data and voice traffic and enforcement of security policies.

Advanced manageability

The priority queuing offered by the 2914GP Series lets users set up the network based on their own needs. Comprehensive diagnostic and configuration tools enable administrators to analyze adapter performance, and monitor traffic arriving on the network.

Power options

The 2914GP can power the copper PoE port either from an optional external power supply, or through the PCIe slot. It will not power share between the two power options. Priority is given to the external PSU if it is present.

If powered via the PCIe slot, the 2914GP can power a PoE device without any external hardware up to 15W. With the optional external PSU, it can power an external device up to 25.5W. Additionally, with this external PSU, the 2914GP will allow phone traffic to pass through the adapter, (with VLAN IDs) during system-off states—allowing phone operations even when the desktop is powered off.

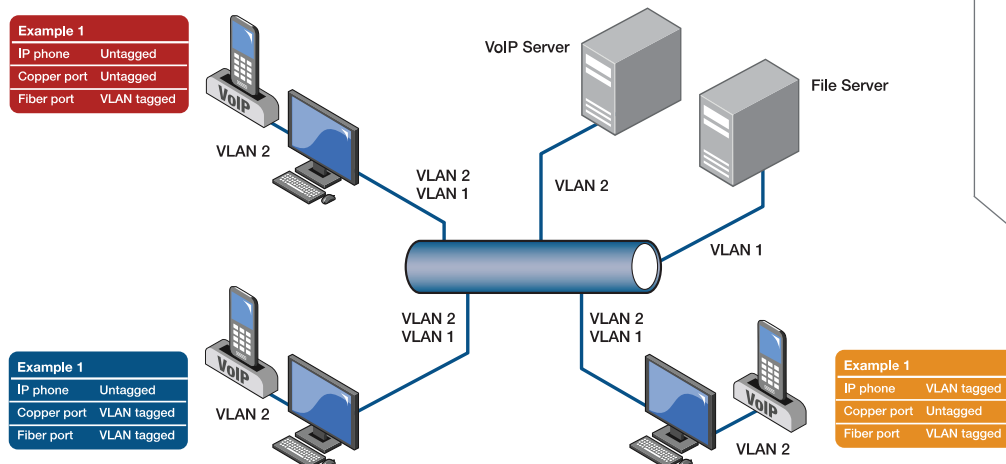
Key Features

Management Software

- VLAN support
- Link aggregation LACP
- Link aggregation smart switch
- Failover

Advanced Properties

- Supports 100Mbps and 1000Mbps optics
- PCIe 2.0
- Secured transmissions
- Advanced installation utility
- Advanced diagnostics
- Remote boot (PXE 2.1)
- TCP/IP checksum off-loading
- Priority queueing
- Driver support for popular operating systems
- Compliant with the Trade Agreement Act (TAA)
- Microsoft-certified drivers
- RoHS compliant
- Low-profile and standard height brackets included (low-profile attached)
- IPv6



SPECIFICATIONS

Management Features

- WMI
- ACPI 1.1
- PXE 2.1 boot ROM
- SNMP

Bus Type

- PCIe x1

Ethernet

- IEEE 802.1p Quality of Service
- IEEE 802.1Q VLANs
- IEEE 802.2 LLC
- IEEE 802.3ac MAC
- IEEE 802.3ab 1000T over twisted pair
- IEEE 802.3x Flow control auto-negotiation
- IEEE 802.3z 1000 Base-X
- IEEE 802.3af Class 3 PoE
- IEEE 802.3at Class 4 PoE (PoE+)

Power over Ethernet

- Mode A power
- Power budget 536MA @ 56V, 30 Watts

Compatible with Drivers:

- Windows 11
- Windows 10
- Windows Server 2022
- Windows Server 2019
- Linux

Network Type

- 10/100/1000T with PoE+

Network Speed

- Copper Auto-negotiation
 - 1000 full-duplex
 - 100 full-duplex
 - 100 half-duplex
 - 10 full-duplex
 - 10 half-duplex
- Fiber SFP (100mb or 1000mb)

Network Controller

- Broadcom BCM5720

Connectors

- RJ-45
- SFP (1000Mb only)

Status Indicators

- LED per port
 - On: link up
 - Off: link down
 - Blink: activity

Power

- Power consumption 2.5 Watts (avg) without PoE
- Signaling voltage 3.3V

Environmental Specifications

- Operating temperature 0°C to 50°C (32°F to 122°F)
- Relative humidity 5% to 90% (non-condensing)
- Storage temperature -25°C to 70°C (-13°F to 158°F)

Physical Characteristics

- Dimensions (W x H) 14.09 cm x 5.6 cm (5.5 in x 2.2 in)
- Weight 114 g (4. oz)

Compliance

- RoHS
- China RoHS
- UL
- TUV
- EN55024
- CE
- VCCI
- EN55032
- FCC Part 15
- RCM (C-Tick)
- ICES (Canada)

ORDERING INFORMATION

| | |
|-------------------------|--|
| AT-2914SX/ST-901 | 1000SX SC PCI Express x1 network adapter, TAA ¹ |
| AT-2914SX/LC-901 | 1000SX LC PCI Express x1 network adapter, TAA ¹ |

¹ Trade Act Agreement compliant

² 2914GP supports at 1000T only

Ships with low-profile bracket attached to network adapter. Standard bracket is included in packaging.

| Supported SFPs | |
|------------------------|--|
| AT-SPFX/2-90 | 2 km, 100FX (LC), 1310 nm, TAA ¹ |
| AT-SPFX30/I | 30 km, 100FX (LC), 1310 nm, I-Temp, TAA ¹ |
| AT-SPFXBD-LC-13 | 15 km, 100FX, BiDi SFP (1310/1550) |
| AT-SPFXBD-LC-15 | 15 km, 100FX, BiDi SFP (1550/1310) |
| AT-SPEX | 1000EX SFP, LC, MMF, 1310 nm, TAA ¹ |
| AT-SPSX-90 | 1000SX SFP, LC, MMF, 850 nm, TAA ¹ |
| AT-SPSX/I | 1000SX SFP, LC, MMF, 850 nm, I-Temp |
| AT-SPLX10a | 1000LX SFP, LC, SMF, 1310 nm (10 km) |

| | |
|-------------------------------|--|
| AT-SPLX10/I | 1000LX SFP, LC, SMF, 1310 nm, (10 km), I-Temp |
| AT-SPLX40 | 1000LX SFP, LC, 40 km, TAA ¹ |
| AT-SPTX-90² | 10/100/1000T, 100 m, TAA ¹ |
| AT-SPBD10-13 | 10 km, 1G, SMF, BiDi, LC (1310Tx/1490Rx) |
| AT-SPBD10-14 | 10 km, 1G, SMF, BiDi, LC (1490Tx/1310Rx) |
| AT-SPBD20LC/I-13 | 20 km, 1G, SMF, BiDi, LC, TAA ¹ (1310Tx/1490Rx) |
| AT-SPBD20LC/I-14 | 20 km, 1G, SMF, BiDi, LC, TAA ¹ (1490Tx/1310Rx) |