

2914 Series

PCI Express Gigabit Network Adapters with Wake-on-LAN Support



Allied Telesis 2914 Series Network Adapters feature a PCI Express (PCIe x1) design, combining maximum bandwidth and PCI bus efficiency with the benefits of low power consumption. The 2914 is the only Gigabit 1000SX fiber adapter with Wake-on-LAN (WoL) support completely through the PCI bus.

High reliability

The Allied Telesis 2914 Series Gigabit interface includes a comprehensive Microsoft Windows utility which performs detailed tests, diagnostics and analysis.

Advanced manageability

Priority queuing allows users to set up the network based on their individual needs. A comprehensive diagnostics and configuration software suite provides system administrators and engineers with a powerful tool to analyze the adapter card and check specific data.

Wake-on-LAN (WoL)

WoL allows users to remotely power on or wake up an otherwise unavailable computer from a remote location. WoL is a versatile technique that allows computers to be deactivated when not required.

When WoL is enabled, the computer maintains power to the network adapter, and continues to process network packets. When a valid WoL packet is detected the network adapter powers on or resumes the computer.

Effective use of WoL allows system administrators or users to turn computers on remotely, for patch management remote support and remote access. WoL has the potential to greatly increase the use of low-power modes and energy-saving techniques. card and check specific data.

SPECIFICATIONS

Management Features

- Windows Management Instrumentation (WMI)
- PXE 2.1
- PCIe - All Versions

Bus Type

- PCIe x1

Ethernet

- IEEE 802.1p Quality of Service
- IEEE 802.1Q VLANs
- IEEE 802.2 LLC
- IEEE 802.3ac MAC
- IEEE 802.3x Flow control auto-negotiation
- IEEE 802.3z 1000 Base-X
- IEEE 802.3ad Link aggregation

Compatible with Drivers:

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

Interface Type and Connectors

- 100/1000MB SFP Slot
- Optical sensitivity Depends on SFP
 - Output optical power Depends on SFP
 - Wavelength Depends on SFP
- 1000SX/SC connector
- Optical sensitivity -17 dBm
 - Output optical power -9.5/-4 dBm
 - Wavelength 850 nm
- 1000SX/LC connector
- Optical sensitivity -17 dBm
 - Output optical power -9.5/-4 dBm
 - Wavelength 850 nm

Status Indicators

- LED On Link up
- Off Link down
- Blinking Activity

Power

- Power consumption 2914SX/SC 1.7 watt (typical)
2914SX/LC 1.5 watt (typical)
- Signaling voltage 3.3V

Key Features

Management Software

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

Advanced Properties

- WoL support
- 100MB & 1000MB SFP's supported (2914SP)
- Jumbo frames up to 9.6KB
- Secure transmissions
- PCI Express (PCIe x 1)
- Smart Load Balancing (SLB) and failover
- Link aggregation (IEEE 802.3ad)
- Generic trunking (FEC/GEC) / IEEE 802.3ad-draft static
- UEFI network boot
- IEEE 802.1x flow control
- SNMP
- IPv6
- Low-profile brackets attached. Standard Height Included in packaging
- Windows 10, 11, Server 2019, Linux

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)	8.8 cm x 6.9 cm (3.5 in x 2.7 in)
■ Weight	068 kg (.13 lb)

Compliance

- RoHS
- UL
- FCC/EN55022 Class B
- TUV
- CE
- C-TICK
- VCCI
- EN55035
- EN55032
- ICES

ORDERING INFORMATION

Single Port Models	
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
AT-2914SP-901	100MB or 1000MB SFP x 1 adapter card, TAA ¹

¹ Trade Act Agreement compliant

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

Supported SFPs	
AT-SPFX/2	2 km, 100FX (LC), 1310 nm
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	1000SX SFP, LC, MMF, 850 nm
AT-SPSX-90	1000SX SFP, LC, MMF, 850 nm, TAA ¹

Supported SFPs	
AT-SPLX10a	1000LX SFP, LC, SMF, 1310 nm (10 km)
AT-SPLX40	1000LX SFP, LC, 40 km, TAA ¹
AT-SPZX120/I	1000ZX, SFP, LC, 120 km, 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)