

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.



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

Drivers

Windows 10
Windows 11
Windows Server 2019
Linux

Interface Type and Connector

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	AT-2914SX/SC 1.7 watt (typical) AT-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	0.068 kg (0.13 lb)

Compliance

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

Ordering Information

Single Port Models

AT-2914SX/SC-901

1000SX SC PCI Express x1 network adapter, TAA*

AT-2914SX/LC-901

1000SX LC PCI Express x1 network adapter, TAA*

AT-2914SP-901

100MB or 1000MB SFP x 1 adapter card, TAA*

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

Supported SFP's

AT-SPFX/2

2 km, 100FX (LC), 1310 nm

AT-SPFX/2-90

2 km, 100FX (LC), 1310 nm, TAA*

AT-SPFX30/I

30 km, 100FX (LC), 1310 nm, I-Temp, TAA*

AT-SPFXBD-LC-13

15 km, 100FX, BiDi SFP (1310/1550)

AT-SPFXBD-LC-15

15 km, 100FX, BiDi SFP (1550/1310)

*TAA = Trade Act Agreement Compliant

AT-SPEX

1000EX SFP, LC, MMF, 1310 nm, TAA*

AT-SPSX

1000SX SFP, LC, MMF, 850 nm

AT-SPSX-90

1000SX SFP, LC, MMF, 850 nm, TAA*

AT-SPLX10a

1000LX SFP, LC, SMF, 1310 nm (10 km)

AT-SPLX40

1000LX SFP, LC, 40 km, TAA*

AT-SPZX120/I

1000ZX, SFP, LC, 120 km, TAA*

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*
(1310Tx/1490Rx)

AT-SPBD20LC/I-14

20 km, 1G, SMF, BiDi, LC, TAA*
(1490Tx/1310Rx)