

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
SNMP
PCI Express v1.1

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, 64- or 32-bit
Windows 8, 64- or 32-bit
Windows 7, 64- or 32-bit
Windows Vista, 64- or 32-bit
Windows Server 2012 R2, 64-bit
Windows Server 2012, 64-bit
Windows Server 2008 R2, 64- or 32-bit
Windows Server 2008, 64- or 32-bit
Linux 2.6

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

Key Features

Management Software

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

Advanced Properties

- ▶ WoL support
- ▶ 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 and standard height brackets included
- ▶ Vista, 7, 8, 10, and Linux

Power

Power consumption	AT-2914SX/SC 1.7 watt (typical) AT-2914SX/LC 1.5 watt (typical)
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)	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 A
TUV
EN55024
CE
C-TICK
VCCI

Ordering Information

Single Port Models

AT-2914SX/SC-xxx

1000SX SC PCI Express x1 network adapter

AT-2914SX/LC-xxx

1000SX LC PCI Express x1 network adapter

AT-2914SP-xxx

100MB or 1000MB SFP x 1 adapter card

Where xxx = 001 for single pack
901 for single pack, Federal and Government

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



NETWORK SMARTER

North America Headquarters | 19800 North Creek Parkway | Suite 100 | Bothell | WA 98011 | USA | T: +1 800 424 4284 | F: +1 425 481 3895

Asia-Pacific Headquarters | 11 Tai Seng Link | Singapore | 534182 | T: +65 6383 3832 | F: +65 6383 3830

EMEA & CSA Operations | Incheonweg 7 | 1437 EK Rozenburg | The Netherlands | T: +31 20 7950020 | F: +31 20 7950021

alliedtelesis.com

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617-000609 RevB