

# Network Interface Cards

## PRODUCT INFORMATION



## 2911 Series

### PCI EXPRESS GIGABIT NETWORK INTERFACE CARDS

Allied Telesis 2911 Series Network Interface Cards feature a PCI Express (PCIe x1) design, providing the maximum possible bandwidth and bus efficiency while providing the benefits of low power consumption.

#### High Reliability

The 2911 Series Gigabit interface comes with a comprehensive Microsoft Windows utility which performs detailed tests, diagnostics and analysis.

#### Advanced Manageability

The priority queuing offered by the 2911 Series can help users set up the network based on their own needs. The comprehensive diagnostics and configuration software suite provides system administrators and engineers with a powerful tool to analyze the adapter card and check specific data.



### Key Features

#### Management Software

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

#### Advanced Properties

- » Jumbo frames
- » Checksum offloading
- » Secure transmissions
- » PCI Express (PCIe x1)
- » Smart Load Balancing (SLB) and failover

- » Link aggregation (IEEE 802.3ad)
- » Generic trunking (FEC/GEC) / IEEE 802.3ad-draft static
- » SLB (auto-fallback disable)
- » iSCSI boot support
- » UEFI network boot available upon request
- » IEEE 802.1x flow control
- » IEEE 802.3az Energy-Efficient Ethernet
- » CPU task offload
- » TCP segmentation
- » SNMP

- » IPv6
- » MSI and MSI-X capabilities (up to 17 MSI vectors)
- » Receive Side Scaling (RSS)
- » Transmit Side Scaling (TSS)
- » I/O virtualization support for VMWare, NetQueue and Microsoft VMQ
- » 17 receive queues and 16 transmit queues
- » Low-profile and standard height brackets included
- » Windows XP, Vista, 7, 8, 10, and Linux

### Specifications

#### Management Features

Windows Management Instrumentation (WMI)  
PXE 2.1  
SNMP  
PCI Express v2.0

#### Bus Type

PCIe x1

#### Ethernet

IEEE 802.1p	Quality of Service
IEEE 802.1Q	VLANs
IEEE 802.2	LLC
IEEE 802.3ac	MAC
IEEE 802.3az	Energy-Efficient Ethernet
IEEE 802.3x	Flow control auto-negotiation
IEEE 802.3z	1000 Base-X
IEEE 802.3ad	Link aggregation
IEEE 802.3ab	10/100/1000T

#### 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 XP, 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  
Windows Server 2003, 64- or 32-bit  
Linux 2.6

#### Interface Type and Connectors

1000SX/ST connector  
Optical sensitivity -17 dBm  
Output optical power -9.5/-4 dBm  
Wavelength 850 nm

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

1000LX/SC connector  
Optical sensitivity -20 dBm  
Output optical power -9/-3 dBm  
Wavelength 1310 nm

1000LX/LC connector  
Optical sensitivity -20 dBm  
Output optical power -9/-4 dBm  
Wavelength 1310 nm

#### Status Indicators

LED	On	Link up
	Off	Link down
	Blinking	Activity

#### Power

Power consumption	1.51 to 2.42W (varies by model)
Signaling voltage	3.3V

#### Environmental Specifications

Operating temperature	0°C to 40°C (32°F to 104°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 A  
TUV  
EN55024  
CE  
C-TICK  
VCCI



## Ordering Information

### Single Port Models

#### AT-2911SX/ST-xxx

1000SX ST PCI Express x1 adapter card

#### AT-2911SX/SC-xxx

1000SX SC PCI Express x1 adapter card

#### AT-2911SX/LC-xxx

1000SX LC PCI Express x1 adapter card

#### AT-2911LX/SC-xxx

10 km, 1000LX SC PCI Express x1 adapter card

#### AT-2911LX/LC-xxx

10 km, 1000LX LC PCI Express x1 adapter card

#### AT-2911SFP-xxx

1G SFP PCI Express x1 adapter card

### Dual Port Models

#### AT-2911STX/SC-xxx

1000SX (SC) + 10/100/1000T PCI Express x1 adapter card

#### AT-2911STX/LC-xxx

1000SX (LC) + 10/100/1000T PCI Express x1 adapter card

#### AT-2911LTX/SC-xxx

10 km, 1000LX (SC) + 10/100/1000T PCI Express x1 adapter card

#### AT-2911LTX/LC-xxx

10 km, 1000LX (LC) + 10/100/1000T PCI Express x1 adapter card

#### AT-2911SX/2LC-xxx

1000SX x 2 LC PCI Express x1 adapter card

#### AT-2911LX/2LC-xxx

10 km, 1000SX x 2 LC PCI Express x1 adapter card

#### AT-2911SFP/2-xxx

1G SFP x 2 PCI Express x1 adapter card

#### AT-2911T/2-xxx

100 m, 10/100/1000T x 2 PCI Express x1 adapter card

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

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



the solution : the network

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