



AT-2900 Series Gigabit Ethernet Adapter Cards

AT-2915T

Single-port copper
Gigabit Ethernet adapter card for 32-bit bus

AT-2930T

Single-port copper
Gigabit Ethernet adapter card for 32- and 64-bit bus

AT-2930SX/SC

Single-port fiber
Gigabit Ethernet adapter card for 32- and 64-bit bus

High Performance

Allied Telesyn's AT-2900 series of 10/100/1000 PCI Gigabit Ethernet adapters are designed to match the high bandwidth server and switch connections available in today's sophisticated network environments. Providing ten times the speed of traditional Fast Ethernet adapters, the AT-2900 series adapters instantly and cost-effectively improve application response, server reliability, and network scalability.

Application Flexibility

Designed for the 64bit/66MHz bus system—offering the largest data path and the fastest possible data transfer—the standards-based AT-2900 series is fully compatible with legacy 32-bit and 33MHz buses, making them fully compatible with Ethernet or Fast Ethernet LANs.

Value and Functionality

Designed to support only the 32-bit PCI bus, the AT-2915T provides all the features and functionality of the AT-2930 cards at a fraction of the cost.

Combining high performance with rich functionality, the AT-2900 series features full-duplex flow control, plug-and-play auto-configuration, and a 48KB internal packet buffer memory supported by 802.1Q VLAN tagging for up to 64 VLANs and 802.1p Layer 2 priority tagging.

Copper or Fiber

Designed for both copper and fiber networks, users can deploy the AT-2900 for immediate performance improvements. For the most cost-effective upgrades to existing copper LAN backbones, the AT-2930T meets the challenge. For designs that require the distance benefits of fiber, the AT-2930SX delivers Gigabit connectivity at distances from 220m to 550m.

Key Features

- PCI 2.2 compatible
- 10/100/1000T full/half-duplex support
- WMI Compliant (Windows Management Interface)
- Fully IEEE 802.3, 802.3u, 802.3z, and 802.3ab compliant
- Full-duplex flow control
- Wake on LAN
- Plug-and-Play auto-configuration
- Traffic/troubleshooting LEDs
- 24 hour driver update service
- Lifetime warranty

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Status Indicators

Active	Indicates receiving packets from network
1000	Indicates Gigabit Ethernet operation
100	Indicates 100Mbps Ethernet operation
10	Indicates 10Mbps Ethernet operation

PC Bus Interface

Bus Interface:	PCI 2.2 Compliant:
2915	PCI bus 32-bit, 33/66MHz Signaling voltage 3.3v and 5v compatible PCI hot plug (OS-dependent)
2930	PCI bus 32/64-bit, 33/66MHz
Data Transfer Mode:	
2915	PCI 32-bit Bus Mastering
2930	PCI 64-bit Bus Mastering

Gigabit Ethernet Interface

AT-2915T/AT-2930T	IEEE 802.3z compatible 1000T (RJ-45 connectors) Full Duplex and Half Duplex support Auto negotiation
AT-2930SX/SC	IEEE 802.3z compatible 1000SX (SC connectors) Full-duplex and half-duplex support

Hardware Interrupts

Dynamic Interrupt Moderation via PacedPacketBatch Technology.
Hardware based TCP, UDP and IP checksum calculation.

Driver Support

Windows NT 4.0 (x86)
Windows 2000 server, XP server
Windows 98, ME, 2000, XP
Linux server
Netware Server 5 and 6

Power Characteristics

Power Consumption:	
AT-2915T	3W Max.
AT-2930T	14W Max.
AT-2930SX/SC	14W Max.

Environmental Specifications

Operating Temp.	10°C to 50°C
Operating Humidity	30% to 80%

Physical Characteristics

Dimensions:	
AT-2915T	5.5" x 2.5"
AT-2930T	6.675" x 3.75"
AT-2930SX/SC	6.675" x 3.75"
Weight:	
AT-2915T	200g
AT-2930T	275g
AT-2930SX/SC	275g

Standards & Compliance

AT-2915T/AT-2930T	1000T IEEE 802.3z/IEEE 802.3ab Gigabit Ethernet IEEE 802.3z with flow control/ auto-negotiation
AT-2930SX/SC	1000SX IEEE 802.3z/IEEE 802.3ab Gigabit Ethernet IEEE 802.3z with flow control/ auto-negotiation

Electrical/Mechanical Approvals

Emissions	FCC Part 15B, Class B; EN 55022 Class B; CISPR 22 Class B; VCCI Class 2
Immunity	EN 50082-1
CE	Meets the directives for low voltage and EMC
Safety	UL, CSA, CE, CB

Ordering Information

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