

Adapters

AT-2916T, 32-bit Gigabit Ethernet Adapter Cards

AT-2916T

10/100/1000T 32-bit Gigabit Ethernet Adapter Card

High performance

Allied Telesyn's AT-2916T is a highly reliable entry-level 32-bit Gigabit Adapter card with 9KB Jumbo frames support. A great product for your network upgrade needs.

The adapter supports the calculation of TCP, UDP, and IP checksums through the hardware platform without time loss by the MAC controller for both the receive and the transmit path, which lead to overall system performance improvement.

In addition, in order to reduce the load on the CPU, Allied Telesyn's AT-2916T can use interrupt moderation to group the huge amounts of interrupts caused by small packets transferred at Gigabit speed so that several data packets can be handled per interrupt.

High reliability

Allied Telesyn's AT-2916T Gigabit Ethernet Adapter comes with a variety of reliability features. They aim at maintaining a connection as long as possible. This is reached by link aggregation; redundant switch failover and PCI hot plug. The on-board sensors and driver functions help to monitor the health of adapters and their ports enabling pro-active network management.

Comprehensive software support

Allied Telesyn's AT-2916T adapter cards come with a set of software programs that can greatly assist users with their network setups and configurations. The offline user diagnostics program provides system administrators and engineers with a profound tool to analyse the network adapter and check specific data. The Network Control program for Windows 2000 and Windows XP provides user an easy time in controlling and configuring all their AT-2916T adapters.

The AT-2916T Gigabit Ethernet Adapters can also support up to 64 IP address assignments in a single network connection by the means of frame tagging. Thus, multiple VLANs can be configured for one port.

Virtual Cable Tester™ (VCT)

The VCT program can detect and report potential cabling issues such as cable opens, cable shorts or any impedance mismatches in the cable. It can accurately locate the distance to the cabling fault within a tolerance of one metre. This capability will enable the users or IT staff to quickly identify the failing mechanism and isolate the source of the problem.



Key features

- Supports up to 9KB Jumbo frames
- TCP, UDP and IP checksum generation and check
- Support for all popular operating systems including Sun Solaris
- Link Aggregation
- Virtual LAN (VLAN) Support
- Cable monitoring and auto correct
- Virtual Cable Tester (VCT)
- Advanced Power Management (ACPI)
- Wake On LAN (WOL)
- Remote Boot (PXE 2.0)
- Parity monitoring on all data paths

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LED STATUS INDICATORS

AT-2916T

10	ON	10Mbps/s link up
	OFF	10Mbps/s link down
100	ON	100Mbps/s link up
	OFF	100Mbps/s link down
1000	ON	1000Mbps/s link up
	OFF	1000Mbps/s link down
ACT	ON	Receiving/Transmitting
	OFF	Not Receiving/Not Transmitting

PC INTERFACE

Bus Interface	PCI 2.1 with extensions in accordance with PCI 2.2
PCI bus	32-bit/33MHz
Signaling voltage	3.3V/5V
PCI Hot Plug (OS-dependant)	

Network Connector

Auto-negotiation, full-duplex and half-duplex
10T, 100T and 1000T RJ45 connector

DRIVER SUPPORT

- Windows 2000 and Windows XP
- Linux kernel 2.4.x
- Novell NetWare 4.20 or higher; Novell NetWare 5 and 6
- Sun Solaris 7 and 8 on X86 and SPARC systems

TECHNICAL SPECIFICATIONS

MAXIMUM CABLING DISTANCES

100m on Category 5 unshielded twisted pair

POWER CHARACTERISTICS

max.14w

ENVIRONMENTAL SPECIFICATIONS

Operating Temp 10°C to 50°C
Operating Humidity 30% to 85%

PHYSICAL CHARACTERISTICS

Dimensions 12.7cm x 12.1cm (5" x 4.75")
Weight 320g

ELECTRICAL/MECHANICAL APPROVALS

FCC/EN55022 Class B
VCCI
VDE
UL
CE

ORDERING INFORMATION

AT-2916T-xxx

10/100/1000T 32-bit Gigabit Ethernet adapter

Where xxx =

001	for single pack
020	for 20-pack

Available in both standard- and low-profile versions

About Allied Telesyn

Allied Telesyn leads the world in network technologies for the access edge. Since the company's inception in 1987, Allied Telesyn has been developing IP-based network products for use in video, voice and data networks at the metro edge, in education, government agencies and across the enterprise. Allied Telesyn's access, aggregation and core transport technologies range from simple Ethernet adapters, hubs and media converters to robust multi-layer Gigabit Ethernet switches and routers, wireless systems, DTM and WDM transport solutions for delivering real-time video, voice and data. Allied Telesyn's comprehensive support and professional service programs are suited to meet the growing demands of today's switched broadband infrastructures.

Service & Support

Allied Telesyn provides value-added support services for its customers under its Net.Cover® programs. For more information on Net.Cover® support programs available in your area, contact your Allied Telesyn sales representative or visit our website.

www.alliedtelesyn.com



Only nature can do better

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