Allied Telesis™

AT-2916T
Gigabit Ethernet Interface Card

AT-2916T-xxx
10/100/1000T 32-bit Gigabit Ethernet interface card

High Performance
An entry-level 32-bit Gigabit interface card with 9KB of jumbo frames support, Allied Telesis' AT-2916T supports the calculation of TCP, UDP, and IP checksums through the hardware platform without time loss by the MAC controller for both transmission and receiving paths—a capability that leads to improvements on overall system performance. In order to reduce the load on the CPU, Allied Telesis' AT-2916T uses interrupt moderation to group the huge amounts of interrupts caused by small packets transferred at Gigabit speed enabling the handling of several data packets per interrupt.

High Reliability
The AT-2916T Gigabit Ethernet interface card comes with a variety of reliability features aimed at maintaining the longest-possible connection through link aggregation, redundant switch failover, and PCI hot plug. The on-board sensors and driver functions monitor the health of interface cards and their ports enabling pro-active network management.

Comprehensive Software Support
AT-2916T interface cards feature a set of software programs that assist users with their network setups and configurations. The offline user diagnostics program provides system administrators and engineers with a tool to analyze Network Interface Cards and check specific data. The Network Control program for Windows 2K and Windows XP enables users to easily control and configure all their AT-2916T interface cards.

Virtual Cable Tester™ (VCT)
The VCT program detects and reports potential cabling issues such as cable opens, cable shorts, or any impedance mismatches in the cable. It can also accurately locate the distance to the cabling fault within a tolerance of one meter, enabling IT staffs to quickly identify failing mechanisms and isolate the source of problems.

Key Features

Management Software
- Virtual cable tester
- VLAN support
- Link aggregation LACP
- Failover

Advance Properties
- Jumbo frames
- Checksum offloading
- Sensor support
- TCP, UDP and IP checksum generation and check
- Support for all popular operating systems including Sun Solaris
- Advanced power management (ACPI)
- Wake-on-LAN (WoL)
- Remote boot (PXE 2.1)
- Parity monitoring on all data paths
- Windows Vista
- Low profile and standard height brackets included
- RoHS compliant
- Microsoft certified drivers
- IPv6
- Compliant with Trade Agreement Act
- Also can be used in PCI-x bus

Specifications

Management Features

WMI
ACPI 2.0/wOl
PXE 2.1 Boot ROM

Bus Type

PCI 2.3

Ethernet Standards

IEEE 802.3ad	Link aggregation
IEEE 802.1p	Quality of Service
IEEE 802.1Q	VLANs
IEEE 802.2	LLC
IEEE 802.3ab	Gigabit standard
IEEE 802.3ac	MAC
IEEE 802.3	10 Ethernet
IEEE 802.3u	Fast Ethernet
IEEE 802.3ab	Gigabit standard
IEEE 802.3x	Flow control, auto-negotiation

Drivers

Supported

Vista
Vista 64-bit
Windows XP
Windows XP 64-bit
Windows 2003
Windows 2003 64-bit
Windows 2000
NDIS2
NetWare 6.x
Linux 2.4
Linux 2.6

Available

Solaris x86
Solaris Sparc 32-bit
Solaris Sparc 64-bit
Free BSD
AIX
NetWare 5.x

Compliance

RoHS
cUL
UL
FCC/EN55022 Class B
TUV
EN55024
CE
C-TICK
VCCI

Connector

RJ-45

Environmental Specifications

Operating temperature	0°C to 50°C
Storage temperature	-25°C to 70°C
Relative humidity	5% to 90% non-condensing

Power

Power consumption	14 Watts (max)
Signaling voltage	3.3/5V

Status Indicators

LED		4 ports
10	ON	10Mbps link up
	OFF	10Mbps link down
100	ON	100Mbps link up
	OFF	100Mbps link down
1000	ON	1000Mbps link up
	OFF	1000Mbps link down
ACT	ON	Receiving/transmitting
	OFF	Not receiving/not transmitting

Physical Characteristics

Dimensions	12.3cm x 4.4cm
(W x H)	(4.9") x (1.7")
Weight	0.26lb (0.11kg)

Ships with standard bracket attached to interface card. Low-profile bracket is included in packaging.

Maximum Cabling Distances

100m on Category 5 unshielded twisted pair

Network Controller

Marvell 88E8001

Ordering Information

AT-2916T-xxx
10/100/1000T
32-bit Gigabit Ethernet interface card

Where xxx = 001 for single pack
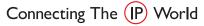020 for 20-pack
901 for single pack, Federal and Government
920 for 20-pack, Federal and Government

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