2912T

Secure Network Adapter

The Allied Telesis 2912T Network Adapter is the ideal fit for networks that depend on secure and reliable systems. With a small form factor PCIe x1 bus, the 2912T is an ideal fit for government, education or other networks dependent on highly-secure capabilities.

Comprehensive software support

The 2912T supports the Microsoft Windows 2003, XP and Vista operating systems, and is compliant with industry standards. The adapters feature software to assist users with network setup and configurations. An offline user diagnostics program provides system administrators and engineers with a valuable tool to analyze the interface card and check data. Finally, the Broadcom Advance Control Suite program simplifies controlling and configuring all 2912T adapters.

Secure encrypted data transmssion

IP Security (IPSec) is a suite of protocols for securing Internet Protocol (IP) communications by authenticating and/or encrypting each IP packet in a data stream. The cryptographic algorithms that are used in IPSec operation are computationally intensive, which can overwhelm the host CPU at high network speeds. The 2912T implements hardware that performs these computationally-intensive cryptographic algorithms, which is known as IPSec task offload v2. The 2912T supports the transport mode of IPSec Authentication Header (AH) and Encapsulation Security Payload (ESP) protocols for end-to-end security of packet traffic. Simultaneous AH and ESP task offload is also supported for up to 32 Security Associations (SA).

DASH

The Desktop and mobile Architecture for System Hardware (DASH) is a DMTF management initiative that represents a suite of specifications which standardize the manageability interfaces for mobile and desktop hardware. The DASH suite of specifications defines the interfaces for management in the form of protocols and profiles for representing mobile and desktop hardware. Fundamental to the DASH is the underlying goal to unify the experience achieved through out-of-band mechanisms with those available via the operating system.

Hassle free support

All Allied Telesis Network Adapters offer technical support, ensuring trouble-free installation.

Key Features

- Advanced centralized power management
- Secure data transmission
- NDIS 6 IPSec task offload compliant (Vista logo compliant)
- 32 security associations
- DASH manageability complaint with v1.1 as defined by the desktop and mobile workgroup
- IPv4 and IPv6 Large Send Offload and Checksum Offload (LSO/TCO)
- Wake-on-LAN (WoL) support meeting ACPI requirements
- Wake-on-LAN (WoL) supported (enabled by default, utility to disable available in firmware)
- Statistics for SNMP MIB II
- Standard and low-profile brackets provided
- Remote boot (PXE 2.0)
- Advance cable diagnostic
- Large send offload

Specifications

Status Indicators

System LEDs 1 LED indicating link/activity

Interface Standards

IEEE 802.1Q VLANs
IEEE 802.3ab Gigabit Ethernet
IEEE 802.3ad Link aggregation
IEEE 802.3ap Priority
IEEE 802.3u Fast Ethernet
IEEE 802.3x Full-duplex
PCIe x1
DASH v 1.1.0

Physical Characteristics

Dimensions (W x H) 10.7 cm x 5.6 cm (4.2 in x 2.2 in)
Weight: .04 kg (0.05 lb)

Power

Power consumption 760ma @ 3.3v

Environmental Specifications

Operating temperature 0°C to 40°C (32°F to 104°F)
Storage temperature -25°C to 70°C (-13°F to 158°F)
Relative humidity 5% to 90% (non-condensing)
Operating altitude Up to 3,048 meters (10,000ft)
Predicted MTBF (Telcordia SR332) TBD

Optical Characteristics

Connector type RJ-45

Data Encryption

IPSec task offload v2
32 Security Associations (SA)
AH transport for both IPv4 and IPv6 (AES-GMAC)
ESP transport for both IPv4 and IPV6 (AES-GMAC) (AES-GCM)

Standards

EMI part 15 FCC class A
EN55022 class A
VCCI class A
C-Tick
CE

Immunity EN55024

Safety UL60950-1 (cULUS)
EN60950-1 (TUV)
EN60825

Electrical Interfaces
UL60950-1 (cULus)
EN60950-1 (TUV)
CAN/CSA C22.2 No. 60950-

Drivers

Supported Windows XP
Windows 2003
Windows Vista
Windows 7
Linux

Ordering Information

AT-2912T-xxx
10/100/1000T, PCIe x 1

Where xxx = 001 for single pack
901 for single pack, compliant with Trade Agreements Act

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