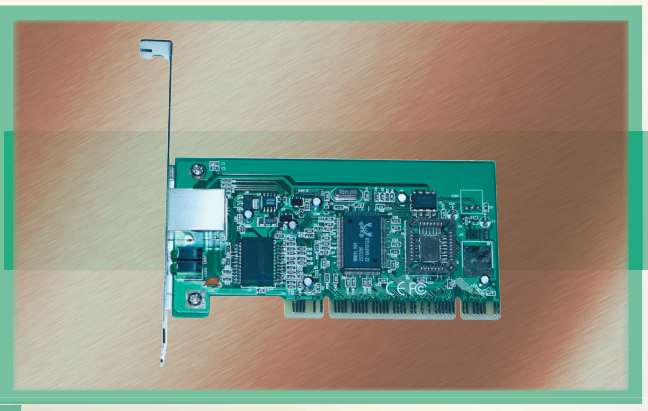

Alloy-8169S32 ADAPTER

Gigabit Ethernet Network Interface Cards

The ALLOY-8169S32 gigabit ethernet NIC offers high-speed transmission over CAT 5 UTP cable at 10,100 and 1000Mbps. Functions such as Crossover Detection & Auto-Correction, polarity correction, adaptive equalization, cross-talk cancellation, echo cancellation, timing recovery, and error correction are implemented to provide robust transmission and reception capability at high speeds.

The adapter supports PCI v2.2 (or older) bus interfaces with power management, and is compliant with the IEEE 802.3 specification for 10/100Mbps Ethernet and the IEEE 802.3ab specification for 1000Mbps Ethernet. Also encorporated are Advanced Configuration Power management Interface (ACPI) and Remote wake-up (including AMD Magic Packet, Re-LinkOk, and Microsoft® Wake-up frame) in both ACPI and APM (Advanced Power Management) environments.

The ALLOY-8169S32 is fully compliant with Microsoft® NDIS5 (IP, TCP, UDP) Checksum and Segmentation Task-offload features, and supports IEEE 802.1Q Virtual bridged Local Area Network (VLAN). The above features contribute to lowering CPU utilization while providing performance enhancements when operating in high speed gigabit environments..

KEY FEATURES

- Integrated 10/100/1000 transceiver
- Supports PCI 2.2, 32bit.
- Wake-on-LAN and remote wake-up support
- Microsoft® NDIS5 Checksum Offload (IP, TCP, UDP) and largesend offload support
- Supports Full Duplex flow control (IEEE 802.3x)
- Supports IEEE 802.1Q VLAN tagging
- 3.3V signaling, 5V PCI I/O tolerant
- JTAG support
- Supports up to 128K-byte Flash Memory/Boot ROM interfaces

TECHNICAL SPECIFICATIONS

Standards	IEEE 802.3 10Base-T Ethernet IEEE 802.3u 100Base-TX Fast Ethernet IEEE 802.3ab 1000Base-T Gigabit Ethernet ANSI/IEEE 802.3 NWay Auto-negotiation
Network Media	Ethernet: 2 pair UTP Cat. 3, 4, 5, EIA/TIA-568 100-ohm screened twisted-pair (STP) Fast Ethernet: 2 pair UTP Cat. 5, EIA/TIA-568 100-ohm screened twisted-pair (STP) Gigabit Ethernet: 4 pair UTP Cat. 5, EIA/TIA-568 100-ohm screened twisted-pair (STP)
Host Interface	64-bit (33/66Mhz) PCI Rev.2.2
LEDs	10 Link, 100 Link, 1000 Link, Activity

On-line brochures available for related products: ***http://www.alloy.com.au/Resource.asp***
*Managed Switches *Converters *Network Adapters *Fibre Optic Networking *and much more*

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