

ADD-PCIE-2RJ45-V2

10/100/1000Mbps Dual RJ-45 Port 100m PCIe 2.0 x4 Network Interface Card

Features

- Low-Profile
- 82576 Gigabit Ethernet Controller
- iSCSI Remote Boot Support
- Load balancing on multiple CPUs
- Compatible with x1, x4, x8, and x16 standard and low-profile PCI Express* slots
- Dual port design
- Support for most network operating systems (NOS)
- ROHS-compliant

Product Description

This is a Gigabit Ethernet PCIe 2.0 x4 network interface card with dual RJ-45 ports that comply with IEEE 802.3 standards. It is based on an Intel 82576 chipset and is compatible with a variety of different applications and operating systems, including Windows, Linux and Unix-like systems. Providing 10/100/1000Mbps of network speed, it fully supports high-end servers and various other networking applications. In addition, this card supports high level VLAN filtering. The dual RJ-45 ports operate over copper patch cable, allowing for an operating distance of 100m. This product includes both half-height and full-height brackets. Our network interface cards are 100% compliant, and offer a cost effective solution for all of your network upgrade needs. With our certification test program, we guarantee your product will work right the first time.

Specifications

Parameter	Server Network Card
Bus Interface	PCIe 2.0
Bus Width	PCIe X4
Data Rate	10/100/1000Mbps
External Connector	RJ-45
Media Type	Copper
Reach	100M
Ports	2 Ports
Compatible Operating System	Windows 2000; Windows XP; Windows Vista (32-bit and 64-bit); Windows 7 (32-bit and 64-bit); Windows 8 (32-bit and 64-bit); Windows Server 2003 (32-bit and 64-bit); Windows Server 2008 (32-bit and 64-bit); Windows Server 2008 R2 (32-bit and 64-bit); Windows Server 2012 R2 (32-bit and 64-bit); Novel Network 5.x and 6x; Linux Kernel Version 2.6x, 3x, or greater (x86_64) (w/ SR-IOV support); FreeBSD 7.x or later; DOS; Novel ODI OS 8 later; SCO Open Server; UnixWare/OpenUnix8; Sun Solaris x86; OS Independent; and Vmware ESX.
Manageability Features	On-Board Microcontroller. Advanced Filtering Capabilities. Pre-Boot Execution Environment (PXE) Support. Simple Network Management Protocol (SNMP) and Remote. Network Monitoring (RMON) Statistic Counters. Wake-on-LAN Support. iSCSI Boot. Watchdog Timer. IEEE 1588 Precision Time Control Protocol.
Virtualization Features	Virtual Machine Device Queues2 (VMDq). Next-Generation VMDq. IPv6 Offloading. Advanced Packet Filtering. VLAN Support with VLAN Tag Insertion, Stripping, and Packet Filtering for Up To 4096 VLAN Tags. PC-SIGSR-IOV Implementation (8 Virtual Functions Per Port).
I/O Features for Multi-Core Processor Servers	Multiple Queues & Receive-Side Scaling. MSI-X Support. Low Latency Interrupts. Header Splits and Replication in Receive. Multiple Queues: 8 Queues Per Port. Tx/Rx IP, SCTP, TCP, and UDP Checksum Offloading (IPv4, IPv6) Capabilities. Tx TCP Segmentation Offload (IPv4, IPv6). Receive and Transmit Side Scaling for Windows* Environment and Scalable I/O for Linux* Environments (IPv4, IPv6, TCP/UDP). IPsec Offload. LinkSec.

About AddOn Networks

In 1999, AddOn Networks entered the market with a single product. Our founders fulfilled a severe shortage for compatible, cost-effective optical transceivers that compete at the same performance levels as leading OEM manufacturers. Adhering to the idea of redefining service and product quality not previously had in the fiber optic networking industry, AddOn invested resources in solution design, production, fulfillment, and global support.

Combining one of the most extensive and stringent testing processes in the industry, an exceptional free tech support center, and a consistent roll-out of innovative technologies, AddOn has continually set industry standards of quality and reliability throughout its history.

Reliability is the cornerstone of any optical fiber network and is engrained in AddOn's DNA. It has played a key role in nurturing the long-term relationships developed over the years with customers. AddOn remains committed to exceeding industry standards with certifications from ranging from NEBS Level 3 to ISO 9001:2005 with every new development while maintaining the signature reliability of its products.

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