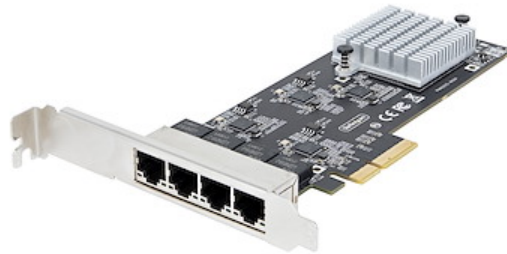


4-Port 2.5Gbps NBASE-T PCIe Network Card, Intel I225-V, Quad-Port Computer Network Card, Multi-Gigabit NIC, PCI Express Server LAN Card, Desktop Ethernet Interface

Product ID: PR42GI-NETWORK-CARD



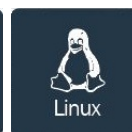
This quad-port 2.5GbE network interface card (NIC) features independent Intel I225-V chipsets for each port with Intel vPro technology, to enhance performance and data integrity across four 2.5G ethernet connections. The variable multispeed options (2.5/1Gbps and 100/10Mbps) enable support for both new and legacy network hardware. Utilize existing Cat5e or CAT6 cabling infrastructure while adding NBASE-T (802.3bz) compatibility for seamless integration.

The PCIe network card leverages Intel vPro technology for remote management and troubleshooting capabilities. Improve bandwidth for data-intensive applications, network sharing, FTPs, online or local storage/backup, and the streaming of online content - while reducing network slowdowns. Access up to 2.5GBASE-T speeds using Cat5e (or better) cabling, to maximize existing networks and equipment. To ensure reliable performance, four Intel I225-V chipsets are used, providing independent Ethernet controllers to each port.

The network interface card connects via an available x4 PCI Express 2.0 (or higher) expansion slot. The card ships in a standard-profile bracket and includes a low-profile bracket for installation into small form factor systems and servers. This ethernet NIC card is compatible with Windows, Windows Server, and Linux.

This card supports the following advanced features: PXE Boot, WoL, VLAN tagging, 9 K jumbo frame, full-duplex, and Intel vPro technology.

Certifications, Reports and Compatibility



Applications

Features

- **2.5G ETHERNET CARD:** High-performance PCIe 2.5Gbps quad-port network card with Intel I225-V chip; Leverage existing Cat5e/Cat6 cabling (or better); NBASE-T compatible (802.3bz); PCI Express 2.0 x4; Independent Ethernet controllers for reliable performance
- **IT MANAGEABILITY:** Intel vPro for remote management and troubleshooting; PXE boot enabled to deployment speeds/updates; 9K jumbo frame for reduced packet overhead; Remotely boot a system using WoL; VLAN support for efficient network management
- **BUILD QUALITY:** LAN card features: built-in heatsink to keep controller chips running cool and for optimal performance, LED indicators for link status/speed, LAN transformers maintain signal quality and reduced EMI for reliable communication
- **COMPATIBILITY:** 2.5GBASE-T variable speed options (2.5 G/1 G/100 M/10 M) with auto-negotiation; Multi-gigabit network interface card for PC is compatible w/ Windows, Windows Server, VMware, and Linux; Low profile bracket included for hardware compatibility
- **SPECIFICATIONS:** 4x RJ45 Ports, 2.5/1Gbps and 100/10Mbps (Independent controllers) NIC, IEEE 802.3bz (2.5GBASE-T), Full Duplex, Auto MDIX, PCIe 2.0 x2, Intel I225-V, 9K Jumbo Frames, VLAN Tagging, WoL, PXE boot

Hardware

Warranty	2 Years
Ports	4
Interface	RJ45 (2.5G Ethernet)
Bus Type	PCI Express
Card Type	Standard Profile (LP bracket incl.)
Port Style	Integrated on Card
Industry Standards	IEEE 802.3bz (2.5GBASE-T) IEEE 802.3ab (1000BASE-T) IEEE 802.3u (100BASE-TX) IEEE 802.3i (10BASE-TX) IEEE 802.1Q (VLAN) IEEE 802.1p (QoS) IEEE 802.1AS (AVB) IEEE 802.1X (WoL) IEEE P802.3az (EEE) IEEE 1588 (PTP) PCI Express Version 2.0
Chipset ID	Intel - I225-V

Performance

Wake On Lan	Yes
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Maximum Data Transfer Rate	2.5 Gbps
Compatible Networks	2.5G/1G/100Mbps/10Mbps
Auto MDIX	Yes
PXE	Yes
Full Duplex Support	Yes
Jumbo Frame Support	9K max.

Connector(s)

Connector Type(s)	1 - PCI Express x4
External Ports	4 - RJ-45

Software

OS Compatibility	Windows 10, 11 Windows Server 2019, 2022 Linux 5.8.x and up - LTS Versions only
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Special Notes / Requirements

Note	Ethernet Port 1 (P1) supports WoL (Wake-on-LAN) P2, P3, and P4 do not support the WoL feature. - Intel NIC Teaming is supported only on Windows Server OS (e.g., Server 2012, 2016) and not on desktop versions like Windows 10 or 11.
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Indicators

LED Indicators	4 - Left LED Indicator is Link Status Solid Green: Active Link Flashing Green: Activity 4 - Right LED Indicator is Link Speed Solid Green: 2.5 Gbps Solid Amber: 1.0 Gbps Off: 100 or 10 Mbps Flashing Green: Activity
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Power

Power Source	Bus Powered
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Environmental

Operating Temperature	0C to 55C (32F to 131F)
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