1-Port 2.5Gbps NBASE-T PCIe Network Card, Intel® I225-V, Single-Port Computer Network Card, Ethernet MultiGigabit NIC, PCI Express Server LAN Card

Product ID: PR12GI-NETWORK-CARD



This 2.5 GbE network interface card (NIC) features an Intel I225-V chipset with Intel vPro technology, to enhance performance and data integrity. Variable multispeed options (2.5/1Gbps and 100/10Mbps) enable support for both new and legacy network hardware. Leverage 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, FTP, online or local storage/backup, and the streaming of online content - while reducing network slowdowns. Access up to 2.5GBASE-T speeds over Cat5e (or better) cabling, to maximize existing networks and equipment.

The network interface card connects via an available x1 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, VMware, 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

RoHS Compliant

Windows 11 | Windows 10 | Windows Server 2019 | Windows Server 2022 | Linux

Applications

• Add high-speed data transfer to a desktop for large file transfers, video streaming, and real-time computing

• Upgrade to 2.5Gbps Ethernet to increase network efficiency in enterprise environments

Features

• 1-PORT 2.5G ETHERNET CARD: High-performance PCIe 2.5Gbps network card with Intel I225-V chip; Multi-Gigabit; Leverage existing Cat5e/Cat6 (or better) cabling; NBASE-T compatible (802.3bz); PCI Express 2.0 x1

• IT MANAGEMENT: Intel vPro for remote management and troubleshooting; PXE boot enabled for centralized OS deployment and updates; 9K jumbo frame for reduced packet overhead; Remote system boot via WoL; VLAN support for efficient network management

• BUILD QUALITY: LAN card features built-in heat sink to keep the controller chip cool for optimal performance, LED indicators for link status/speed, and LAN transformers to maintain signal quality and reduce EMI for reliable communications

• COMPATIBILITY: 2.5GBASE-T variable speed options (2.5G/1G/100M/10M) with auto-negotiation; Multi-Gigabit PC network interface card is compatible with Windows, Windows Server, VMware, and Linux; Low-profile bracket included for hardware compatibility

• THE IT PRO'S CHOICE: Designed and built for IT Professionals, this 2.5Gbps Network Card is backed for two years, including free lifetime 24/5 multi-lingual technical assistance

Hardware		
	Warranty	2 Years
	Ports	1
	Interface	RJ45 (2.5G Ethernet)
	Bus Type	PCI Express
	Card Type	Standard Profile (LP bracket incl.)
	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 i350-AM4
Performance		
	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 x1
	External Ports	1 - RJ-45
Software		
	OS Compatibility	Windows 10, 11 Windows Server 2019, 2022 Linux 5.8.x and up - LTS Versions only VMware ESXi 7.0
Indicators		
	LED Indicators	1 - Top LED Indicator is 1000/100/10Mbps Link Activity Solid Green: 1000/100/10Mbps Flashing Green: Activity 1 - Bottom LED Indicator is 2.5Gbps Link /Activity Solid Green: 2.5Gbps Flashing Green: Activity
Power		
	Power Source	Bus Powered
Environmental		
	Operating Temperature	5C - 50C (41F - 122F)
	Storage Temperature	10C - 70C (14F - 158F)
	Humidity	5% - 90% RH
Physical Characteristics		
	Color	Black
	Product Length	4.8 in [12.1 cm]
	Product Width	3.5 in [8.9 cm]

	Product Height	0.6 in [1.5 cm]
	Weight of Product	3.5 oz [100.0 g]
Packaging Information		
	Package Length	5.7 in [14.4 cm]
	Package Width	8.3 in [21.2 cm]
	Package Height	1.3 in [3.4 cm]
	Shipping (Package) Weight	4.4 oz [126.0 g]
What's in the Box		
	Included in Package	1 - PCIe Network Card
		1 - Low-profile Bracket
		1 - Quick-start Guide

Product appearance and specifications are subject to change without notice.