2-Port PCIe 10Gb Ethernet Network Card, 10GbE Network Interface Card, Broadcom BCM57416 Chipset, Dual RJ45 10GBase-T/Gigabit, NIC Card, TAA

Product ID: PR210B-NETWORK-CARD

This PCIe network card makes it easy to add two 10GBase-T ports to your server or workstation, providing an affordable solution for high-bandwidth applications. It supports 10GbE over Cat 6 cabling up to 55 meters and Cat 6A cabling up to 100 meters.

Compatible with a broad range of operating systems, this versatile dual-port NIC reduces network slowdown/degradation when running data-intensive applications/processes such as FTPs and online storage/backup. It's a cost-effective way to enhance your server or computer capabilities by adding two powerful 10-Gigabit Ethernet ports, with support for advanced features such as VLAN tagging, jumbo frames, and Auto-MDIX.

This 2-port PCI Express 10GBase-T network card features the Broadcom BCM57416 chipset, designed to deliver the power, performance and enhanced capabilities you need for reliable network connections to your server or computer.

Compliant with IEEE 802.1Q standards, this network card offers an efficient way to upgrade or replace your existing network ports with dual 1G/10G-compatible RJ45 ports, delivering up to 10Gbps of throughput per port in each direction (20Gbps total). It connects through a single, four-lane (x8 or higher) PCI Express slot.

With a dual-profile design, the PCI Express network card installs easily into a wide range of computer/server chassis, regardless of form factor. The card comes equipped for installation in a full-sized chassis and includes a low-profile/half-height installation bracket that you can use as needed.

Certifications, Reports and Compatibility

Applications

• Upgrades to servers or workstations in need of enhanced performance, advanced features and greater reliability

• Ideal for high-demand database servers and mission-critical systems that need redundant network connectivity

• Add networking capabilities to an old system with no Ethernet port

Features

• TAA-Compliant 10G Ethernet Card: Connect a PC to multiple 10GbE networks using an available PCIe x8 (or higher) slot; Broadcom BCM57416 chipset with 20Gbps full-duplex per port and 1G/10GbE auto-negotiation support

• Optimized for Speed and Efficiency: Engineered for high-performance networking with support for PXE boot, 802.3ad Link Aggregation, Auto-MDIX, and VLAN tagging; Features 9K jumbo frames for enhanced throughput in virtualized and high-traffic environments

• <B>Wide Compatibility / Flexible Installation: Compatible with Windows 10/11, Linux Ubuntu 20.04/above and WinServer 22/19; Includes full and low-profile brackets for standard / compact systems; Compatible with PCI Express 3.0 and compliant with PCIe Rev 2.0

• Maximize Network Performance: Add two 10GBASE-T ports in a single PCIe NIC to boost connection density / speed; Supports 802.3ad Link Aggregation for higher bandwidth, redundancy, and failover protection; Ideal for cloud computing and fast data transfer

• The IT Pro's Choice: Designed for reliability in edge and on-prem deployments, our network cards are lab-tested and field-proven for seamless integration and maximum uptime; Backed by free lifetime 24/5 multi-lingual technical assistance

Hardware		
	Warranty	2 Years
	Ports	2
	Interface	RJ45 (10 Gigabit Ethernet)
	Bus Type	PCI Express
	Card Type	Standard Profile (LP bracket incl.)
	Port Style	Integrated on Card
	Industry Standards	IEEE 802.1Q

		PCI Express Rev 2.0
	Chipset ID	Broadcom - BCM57416

Performance

	Maximum Data Transfer Rate	20Gbps (full-duplex), 10Gbps (half-duplex)
	Compatible Networks	1Gbps / 10Gbps
	Auto MDIX	Yes
	Full Duplex Support	Yes
	Jumbo Frame Support	9K max.
	Promiscuous Mode	Yes
	Supported Protocols	IEEE 802.1q (VLAN tagging)

Connector(s)

	Connector Type(s)	1 - PCI Express x8
	External Ports	2 - RJ-45

Software

	OS Compatibility	Windows 7, 8, 8.1, 10, 11
		Windows Server 2008 R2, 2012, 2012 R2, 2016, 2019, 2022
		(Windows Drivers are supported in 64-bit only)
		Linux 2.4.x and up - LTS Versions only
		ESXi 5.1/5.5

Special Notes / Requirements

	System and Cable Requirements	Available PCI Express x8 slot

Indicators

	LED Indicators	2 - Left LED Indicator is Link Status Solid Amber: 1G Link Solid Green: 10G Link
		2 - Right LED Indicator is Activity Flashing Green: Activity

Environmental

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

	Storage Temperature	-40C - 70C (-40F - 158F)
	Humidity	5%~90% RH

Physical Characteristics

	Color	Black
	Product Length	5.8 in [146.5 mm]
	Product Width	4.8 in [121 mm]
	Product Height	0.9 in [2.2 cm]
	Weight of Product	4.3 oz [122 g]

Packaging Information

	Package Length	5.6 in [14.2 cm]
	Package Width	6.7 in [17.0 cm]
	Package Height	1.2 in [3.0 cm]
	Shipping (Package) Weight	4.6 oz [130.0 g]

What's in the Box

	Included in Package	1 - Network Card
		1 - Low-Profile Bracket
		1 - Product Documentation

Warranty Information

	Warranty	2 Years

*Product appearance and specifications are subject to change without notice.