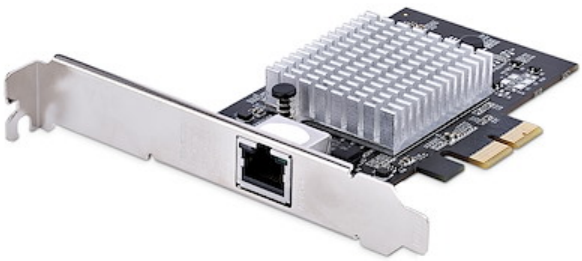
1-Port 10Gbps PCIe Network Adapter Card, Network Card for PC/Server, Six-Speed PCIe Ethernet Card with Jumbo Frame Support, NIC/LAN Interface Card, 10GBASE-T and NBASE-T

Product ID: ST10GSPEXNB2



Install this single-port 10GbE PCI Express (PCIe) Network Interface Card (NIC) into a server or computer to enable faster network speeds and enhanced network functionality. This card supports six speeds: 10/5/2.5/1Gbps and 100/10Mbps. The variable speeds permit access to legacy hardware. Alternatively, the 10GBASE-T and NBASE-T capabilities ensure compatibility with the latest network switches and network access points manufactured by Cisco, HPE, and Aruba.

This PCIe network card provides access to increased bandwidth. It reduces network slowdown/degradation when running data-intensive applications/processes such as FTPs, online storage/backup, and when streaming online content.

NBASE-T technology maximizes the capability of Cat5e copper cabling over at distances of up to 100 meters. The Ethernet network card supports a 10 Gbps connection over copper using existing Cat6 (or better) copper cabling.

The Network Interface Card connects via an available PCI Express x2 3.0/4.0 (or higher) expansion slot. The card is shipped with a standard-profile bracket and includes a low-profile bracket for installation in various systems. This card is compatible with Windows, Windows Server, and Linux.

Take advantage of advanced features such as Audio-Video Bridging (AVB), VLAN tagging, 16 K jumbo frame, full-duplex, secure boot, and PXE.

The PCI Express 10G NIC is backed for 2-years, including free lifetime 24/5 multi-lingual technical assistance.

Certifications, Reports and Compatibility



Applications

Features

• NETWORK ADAPTER FOR PC: This 10 GbE capable PCIe network adapter card provides high-speed data transfer rates for desktops/servers leveraging an existing Cat5e, Cat6, or Cat6a cabling infrastructure

• SPECIFICATIONS: Multiple Speeds NIC 10/5/2.5/1Gbps and 100/10Mbps - 10GBASE-T and NBASE-T - 1x RJ45 Port - PCIe 3.0 x2 - Marvell AQC113CS - 16K Jumbo Frame - VLAN - PXE Boot - EEE - Full-Height and Low-Profile Brackets Included

• COMPATIBILITY: The network card for PC is compatible with Windows, Windows Server, and Linux - The variable speed options and included low profile bracket widen the compatibility of the PCIe network card with current and legacy devices

• MULTI-GIGABIT CONNECTIVITY: The network interface card auto negotiates speed and supports 2.5/5 Gbps network speeds on Cat5e cabling, and 10 Gbps on Cat6/6a - The Ethernet network card supports IP/TCP/UDP checksum offload, secure boot, PTP, and AVB

• THE IT PRO'S CHOICE: Designed and built for IT Professionals, this 10Gb network card is backed for two years, including free lifetime 24/5 multi-lingual technical assistance

Hardware		
	Warranty	2 Years
	Ports	1
	Interface	RJ45 (10 Gigabit Ethernet)
	Bus Type	PCI Express
	Card Type	Standard Profile (LP bracket incl.)
	Industry Standards	IEEE 802.3an (10GBASE-T) IEEE 802.3bz (5GBASE-T) 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 P802.3az (EEE) IEEE 1588 (PTP) PCI Express Version 3.0
	Chipset ID	Marvell - AQC113CS
Performance		
	Compatible Networks	10G/5G/2.5G/1G/100Mbps/10Mbps

	Auto MDIX	Yes
	PXE	Yes
	Full Duplex Support	Yes
	Jumbo Frame Support	16K max.
Connector(s)		
	Connector Type(s)	1 - PCI Express x2
	External Ports	1 - RJ-45
Software		
	OS Compatibility	Windows 11, Windows 10, Windows 8, Linux Kernel 2.4.20 - 5.x (LTS versions only)
Special Notes / Requirements		
	Note	When using a PCIe 2.0 slot the maximum speed is 5 Gbps
Indicators		
	LED Indicators	1 - Green LED: 10 Gbps
		1 - Amber LED: 5G/2.5G/1G/100Mbps/10Mbps
Power		
	Power Source	Bus Powered
Environmental		
	Operating Temperature	32F to 140F (0C to 60C)
	Storage Temperature	14F to 158F (-10C to 70C)
Physical Characteristics		
	Color	Black
	Material	Steel
	Product Length	4.8 in [12.1 cm]
	Product Width	4.2 in [10.7 cm]
	Product Height	0.8 in [2.2 cm]

	Weight of Product	2.5 oz [70.0 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	4.2 oz [120.0 g]
What's in the Box		
	Included in Package	1 - PCIe 10 Gbps Network Card
		1 - Low-profile Bracket
		1 - Quick-start Guide

Product appearance and specifications are subject to change without notice.