2-Port 10GbE PCIe Network Adapter Card, Network Card for PCs/Servers, Six-Speed PCIe Ethernet Card with Jumbo Frame Support, NIC/LAN Interface Card, 10GBASE-T and NBASE-T

Product ID: ST10GSPEXNDP2



Install this 2-port 10GbE PCI Express (PCIe) Network Interface Card (NIC) into a server or computer to enable fast network speeds and enhanced network functionality by providing failover and redundancy protection to mission-critical servers/applications.

This Card supports six speeds: 10/5/2.5/1Gbps and 100/10Mbps with auto-negotiation for instant compatibility with new and legacy hardware. In addition, 10GBASE-T and NBASE-T (2.5GBASE-T/5GBASE-T) capabilities ensure compatibility with the latest network switches and access points manufactured by Cisco, HPE, and Aruba Networks.

This PCIe Network Card enables access to two high-bandwidth ethernet connections. As a result, it reduces network degradation when running data-intensive applications/processes such as FTPs, online storage/backup, and streaming online content. The Ethernet Network Card supports 10GBASE-T using existing Cat6 (or better) cable infrastructure.

NBASE-T technology maximizes the capability of Cat5e copper infrastructure over distances of up to 100 meters. The Network Interface Card connects to a PCIe x4 3.0/4.0 (or higher) slot and comes with a full-height bracket preinstalled, and a low-profile bracket is included. This Card is compatible with Windows, Windows Server, and Linux operating systems.

Take advantage of advanced features such as load balancing in server or network equipment, bridging two different networks on one system, Audio Video Bridging (AVB), VLAN tagging (802.1Q), 16K-byte Jumbo Frames, full-duplex (FDX), UEFI Secure Boot (SB), and Preboot eXecution Environment (PXE).

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

Certifications, Reports and Compatibility



Applications

Features

• DUAL PORT 10G NETWORK ADAPTER FOR PCs: This 2-port 10 GbE-capable PCIe Network Adapter Card enables dual or redundant high-speed network data transmission for workstations/servers leveraging existing Cat5e, Cat6, or Cat6a cable infrastructure up to 100m

• SPECIFICATIONS: 2x RJ45 Ports, Six-Speed NIC 10/5/2.5/1Gbps and 100/10Mbps, 10GBASE-T and NBASE-T (2.5GBASE-T and 5GBASE-T), PCIe 3.0 x4, Marvell AQC113CS, 16K Jumbo Frames, VLAN Tagging, WoL, PXE boot, EEE, Secure Boot

• COMPATIBILITY: Network Card for PC is compatible with Windows, Windows Server, and Linux; Six network speeds and included low-profile bracket widen the compatibility of the PCIe Network Card with full-height and small form factor (SFF) systems

• MULTI-GIGABIT CONNECTIVITY: Network Interface Card supports auto negotiation; Supports 2.5/5Gbps speeds on Cat5e cabling and 10Gbps on Cat6/6a; NBase-T Ethernet Network Card features IP/TCP/UDP checksum offload, secure boot, PTP, and AVB

• THE IT PRO'S CHOICE: Designed and built for IT Professionals, this 10GbE network card is backed for two years, including 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.)
Industry Standards	IEEE 802.3an (10GBASE-T)
	802.3bz (5GBASE-T)
	802.3bz (2.5GBASE-T)

		IEEE 802.3ab (1000BASE-T)
		IEEE 802.3u (100BASE-T)
		IEEE 802.3 (10BASE-T)
		IEEE P802.3az Energy Efficient Ethernet (EEE)
		IEEE 1588 (PTP)
		Wake-on-LAN (WOL)
		PCI Express Version 3.0
	Chipset ID	Marvell - AQC113CS
Performance		
	Maximum Data Transfer Rate	10 Gbps
	Compatible Networks	10G/5G/2.5G/1G/100Mbps/10Mbps
	Auto MDIX	Yes
	PXE	Yes
	Full Duplex Support	Yes
	Jumbo Frame Support	16K max.
	Promiscuous Mode	Yes
Connector(s)		
	External Ports	2 - RJ-45
	Host Connectors	1 - PCI Express x4 Slot
Software		
	OS Compatibility	Windows 8, 8.1, 10, 11
		Windows Server 2012 R2, 2016, 2019
		Linux 3.10.x and up - LTS Versions only
Indicators		
	LED Indicators	2 - Left LED Indicator is Link Speed, Solid Green = 10 Gbps , Solid Amber = 5/2.5/1 Gbps and 10/100 Mbps
		2 - Right LED Indicator is Link Status, Solid Green = Active Link , Flashing Green= Activity

Power		
	Power Source	Bus Powered
Environmental		
	Operating Temperature	21F to 122F (5C to 50C)
	Storage Temperature	14F to 140F (-10C to 60C)
	Humidity	20% - 80% RH
Physical Characteristics		
	Color	Black
	Product Length	5.7 in [14.5 cm]
	Product Width	0.8 in [2.0 cm]
	Product Height	2.6 in [6.5 cm]
	Weight of Product	4.1 oz [116.0 g]
Packaging Information		
	Package Quantity	1
	Package Length	8.5 in [21.5 cm]
	Package Width	5.7 in [14.5 cm]
	Package Height	1.4 in [3.5 cm]
	Shipping (Package) Weight	7.3 oz [208.0 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.