Dual-Port 10Gb PCIe Network Card with 10GBASE-T & NBASE-T

Product ID: ST10GSPEXNDP

This dual-port 10Gb PCIe network card offers a versatile and low-cost way to deploy 10GbE network connectivity. It adds two copper Ethernet ports to your server or desktop computer and provides Multi-Gigabit Ethernet access to your network at five speeds: 10G, 5G, 2.5G, 1G and 100Mbps.

Cost-Effective Multi-Gigabit Ethernet Solution

The 10GBASE-T NIC provides additional bandwidth using your existing Ethernet infrastructure to help reduce the cost of cabling upgrades. The card enables you to connect to 10GBASE-T and NBASE-T equipment at network speeds of:

- 100Mbps, 1Gbps, 2.5Gbps or 5Gbps over your CAT5e cabling (up to 100 m)
- 10Gbps over your CAT6 or better cabling (up to 100 m)

Optimal Technology for Optimal Performance

The network adapter card adds two Ethernet ports to your workstation through an x8 PCIe 2.X (or higher) slot. It features 10GBASE-T technology, supporting advanced Multi-Gigabit systems, including Cisco campus switches and Aruba Networks access points. The NIC card also supports additional features including 9K Jumbo Frames, Autonegotiation, Auto-MDIX and 802.1q VLAN tagging.

Energy Efficient Ethernet

The dual Tehuti TN4010 + Marvell 88X3110 chipset, compliant with IEEE 802.3az, ensures peak operation and reduced power consumption. The decreased consumption minimizes the heat generated to avoid operating temperatures increasing within your server case.

The ST10GSPEXNDP is backed by a StarTech.com 2-year warranty and free lifetime technical support.

Certifications, Reports and Compatibility

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Applications

- Desktop Computers with an x8 PCIe 2.X (or higher) slot
- Workstation connections to Aruba Networks® access points and Cisco® Campus Switches

Features

- Multi-Gigabit Ethernet connectivity with five network speeds: 10G, 5G, 2.5G 1G and 100Mbps
- Compatible with both 10GBASE-T and NBASE-T specifications
- Supports 2.5 and 5Gbps network speeds on CAT5e cabling and 10Gbps on CAT6a
- IEEE 802.3az compliant energy-efficient chipset with Tehuti Networks™ TN4010 & Marvell® 88X3110
- Flexible installation with both standard and low-profile brackets included

Hardware	Warranty	2 Years
	Bus Type	PCI Express
	Card Type	Standard Profile (LP bracket incl.)
	Chipset ID	Tehuti TN4010 Marvell 88X3110
	Industry Standards	IEEE 802.3an (10GBASE-T)
		IEEE 802.3ab (1000Base-T)
		IEEE 802.3u (100BASE-T)
		IEEE 802.3ad (Link Aggregation)
		IEEE 802.1q (VLAN tagging)
		PCI Express Rev 2.0
	Interface	RJ45 (10 Gigabit Ethernet)
	Ports	2
Performance	Auto MDIX	Yes
	Compatible Networks	10 Gbps/5G/2.5G/1G/100 Mbps
	Full Duplex Support	Yes
	Jumbo Frame Support	9K max.
	Maximum Data Transfer Rate	10 Gbps
	Promiscuous Mode	Yes
	PXE	No
	Supported Protocols	IEEE 802.3ad (link aggregation) IEEE 802.1q (VLAN tagging)
Connector(s)	Connector Type(s)	1 - PCI Express x8 Male
	External Ports	2 - RJ-45 Female
Software	OS Compatibility	Windows® 7, 8, 8.1, 10 Windows Server® 2008 R2, 2012, 2012 R2, 2016, 2019 Mac OS® 10.12 to 10.14 Linux 3.x to 4.14 *LTS Versions only* VMWare® ESXi 5.0/5.1/6.0/6.5
Indicators	LED Indicators	2 - Link Speed
		2 - Link/Activity
Environmental	Humidity	20% ~ 80% RH
	Operating Temperature	5°C to 50°C (41°F to 122°F)
	Storage Temperature	-20°C to 60°C (-4°F to 140°F)

Physical Characteristics	Color	Black
	Product Height	2 cm [0.8 in]
	Product Length	12.1 cm [4.8 in]
	Product Width	15.9 cm [6.3 in]
	Weight of Product	390 g [13.8 oz]
Packaging Information	Package Height	20.5 mm [0.8 in]
	Package Length	12.1 cm [4.8 in]
	Package Width	15.9 cm [6.3 in]
	Shipping (Package) Weight	0.4 kg [0.9 lb]
What's in the Box	Included in Package	1 - Network Adapter Card
		1 - Low-Profile Bracket
		1 - Quick-Start Guide

Product appearance and specifications are subject to change without notice.