

2-port PCIe 10GBase-T / NBASE-T Ethernet Network Card - with Intel X550 Chip

Product ID: ST10GPEXNDPI



This dual-port network card offers versatile and cost-efficient network connectivity, by increasing the available network bandwidth without having to replace your existing cabling infrastructure. The 5-speed network card lets you add two 10G/NBASE-T RJ45 ports to your server or desktop computer and access your network at multiple speeds: 10G, 5G, 2.5G, 1G, and 100Mbps.

Cost-effective, multimode network connectivity

Compatible with a broad range of operating systems, this versatile dual-port NIC is ideal for many business applications that require upgrades to servers or workstations. Fully compliant with 10GBASE-T and NBASE-T™ specifications, the network card is a cost-effective way to enhance your server or computer capabilities by adding two powerful 10-Gigabit Ethernet ports. (10G network speeds require Cat6a cable. All other speeds require Cat5e cable.)

Connect to NBASE-T equipment

The network card supports advanced NBASE-T technology, compatible with the latest multi-gigabit Ethernet switches and routers, such as new Cisco campus switches (including Catalyst 4500E, 3850 and 3560-CX). The card enables you to connect to NBASE-T based equipment at network speeds of 2.5Gbps or 5Gbps, over your existing Cat5e infrastructure, without having to upgrade to more expensive Cat6a.

NBASE-T technology accelerates the speed of twisted pair Cat5e copper cabling over a distance of up to 100 meters. The Ethernet network card also supports 10Gbps network speeds if using Cat6a cabling, and 1Gbps network speeds if using Cat5e (or better) cabling.

The Ethernet ports are based on the Intel® X550 chipset, designed to deliver the power, performance, and enhanced capabilities you need for reliable network connections to your server or computer. The network card also supports advanced features including 9K jumbo frames and 802.1q VLAN tagging.

Easy installation

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 with a standard-profile bracket for installation in a full-sized chassis and includes a low-profile/half-height bracket for installation in small form-factor computers.

The ST10GPEXNDPI dual-port network card is backed by a StarTech.com 2-year warranty and free lifetime technical support.

Certifications, Reports and Compatibility



Applications

- Ideal for high-demand database servers and mission-critical systems that need redundant network connectivity
- A cost-effective way to add two Ethernet ports to your server or desktop computer, with 5-speed network access
- The controller card utilizes advanced NBASE-T technology, enabling multigigabit connections over your existing Cat5e cabling
- Supports the latest multigigabit technology switches and routers such as new Cisco campus switches including Catalyst 4500E, 3850 and 3560-CX

Features

- 2-port 10GBase-T/NBASE-T network card supporting five network speeds: 10G, 5G, 2.5G 1G and 100Mbps
- Reliable performance with Intel® X550 chipset
- IEEE 802.3az compliant energy-efficient chipset
- Virtualization (Microsoft Hyper-V®) and iSCSI support
- PXE support
- PCIe 3.0 x4 interface
- Supports 2.5 and 5Gbps network speeds on Cat5e cabling, and 10Gbps on Cat6a
- Up to 9K jumbo frame support
- Supports 802.1q VLAN Tagging
- Full-duplex support
- Supports Auto-MDIX
- Supports checksum offload (IP, TCP, UDP) and large send offload
- Configured with a standard-profile bracket, includes a low profile/half-height bracket

Hardware	Warranty	2 Years
	Bus Type	PCI Express
	Card Type	Standard Profile (LP bracket incl.)
	Chipset ID	Intel - X550AT
	Industry Standards	IEEE 802.3an (10GBASE-T) IEEE 802.3ab (1GBASE-T) IEEE 802.3u (100BASE-T) PCI Express Rev 3.0
	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
	Supported Protocols	IEEE 802.3X (Flow Control Support) IEEE 802.1q (VLAN tagging)
Connector(s)	Connector Type(s)	1 - PCI Express x4 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 (Windows Drivers are supported in 64-bit only) Linux 3.x to 4.11 <i>LTS Versions only</i>
Special Notes / Requirements	System and Cable Requirements	Available PCI Express x4 slot
		For Windows, NBase-T support requires Windows 8 or higher
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	5.2 in [13.2 cm]

	Product Length	9 in [22.8 cm]
	Product Width	0.6 in [15 mm]
	Weight of Product	3.5 oz [98 g]
Packaging Information	Package Height	4.6 in [11.6 cm]
	Package Length	11.3 in [28.6 cm]
	Package Width	8.7 in [22.1 cm]
	Shipping (Package) Weight	7 oz [199 g]
What's in the Box	Included in Package	1 - network card
		1 - low-profile bracket
		1 - quick-start guide

Product appearance and specifications are subject to change without notice.