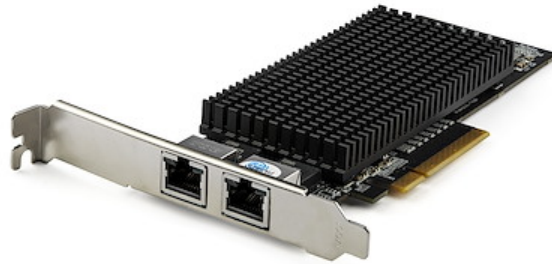Dual Port 10G PCIe Network Adapter Card - Tehuti TN4010 10GBASE-T & NBASE-T PCI Express Network Interface Adapter 10/5/2.5/1GbE Multi Gigabit Ethernet 5 Speed NIC LAN Card

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.

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:
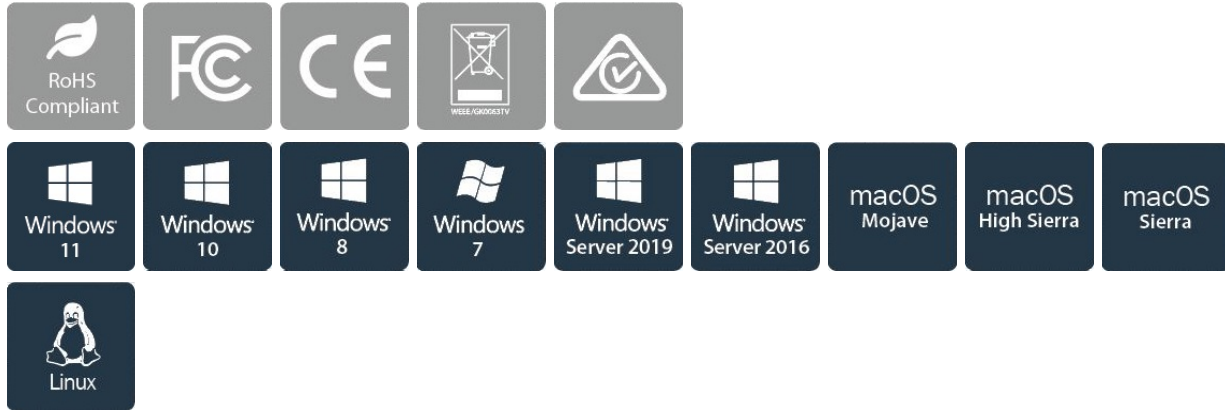
• 100Mbps, 1Gbps, 2.5Gbps or 5Gbps over your CAT5e cabling (up to 100 m)

• 10Gbps over your CAT6 or better cabling (up to 100 m)

The network adapter card adds two Ethernet ports to your workstation through an x8 PCIe 2.0 (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.

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

StarTech.com
Hard-to-find made easy®

Applications

• Desktop Computers with an x8 PCIe 2.X (or higher) slot

• Workstation connections to Aruba Networks access points and Cisco Campus Switches

Features

• DUAL PORT 10GbE NETWORK INTERFACE CARD: 10Gbps Dual port PCIe Network Adapter Card copper combines high data transfer rates to provide redundancy or independent connections to multiple networks

• SPECS: 10 Gbps 2x RJ45 Ports Tehuti TN4010 10GBASE-T & NBASE-T Muli-Gigabit Ethernet 1/2.5/5/10Gbps PCIe 2.0 x8 9K Jumbo Frames VLAN IEEE 802.3az Energy Efficiency Full/low profile

• WIDE HYPERVISOR & OS COMPATIBILITY: Windows 7, 8, 8.1, 10; Windows Server 2008 R2, 2012, 2012 R2, 2016, 2019; Linux kernels 3.x to 4.14 (LTS versions); MacOS (10.12 to 10.14); & VMWare ESXi 5.0, 5.1+

• MULTI-GIGABIT CONNECTIVITY: Versatile connectivity auto negotiates based on network configuration: 10G, 5G, 2.5G, 1G; supports auto-MDIX, Wake-on-LAN (WoL), link aggregation, & VLAN tagging

• STARTECH ADVANTAGE: Workstation NIC is backed by a StarTech.com 2-year warranty and free lifetime 24/5 multilingual Technical Advisors to support deployments across all timezones

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)

STARTECH.COM

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

	Chipset ID	Tehuti TN4010, Marvell 88X3110

Performance

	Maximum Data Transfer Rate	10 Gbps
	Compatible Networks	10 Gbps/5G/2.5G/1G/100 Mbps
	Auto MDIX	Yes
	PXE	No
	Full Duplex Support	Yes
	Jumbo Frame Support	9K max.
	Promiscuous Mode	Yes
	Supported Protocols	IEEE 802.3ad (link aggregation) IEEE 802.1q (VLAN tagging), IEEE 802.3az (Energy Efficient Ethernet)

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
		Mac OS 10.12 to 10.14
		Linux 3.x to 4.14 <i>LTS Versions only</i>
		VMWare ESXi 5.0/5.1/6.0/6.5

Indicators

| LED Indicators | 2 - Link Speed |
| | 2 - Link/Activity |

Environmental

Operating Temperature	5C to 50C (41F to 122F)
Storage Temperature	-20C to 60C (-4F to 140F)
Humidity	20% ~ 80% RH

Physical Characteristics

Color	Black
Material	Steel
Product Length	4.8 in [12.1 cm]
Product Width	6.3 in [15.9 cm]
Product Height	0.8 in [2.0 cm]
Weight of Product	13.8 oz [390.0 g]

Packaging Information

Package Quantity	1
Package Length	8.0 in [20.4 cm]
Package Width	5.7 in [14.6 cm]
Package Height	1.6 in [4.0 cm]
Shipping (Package) Weight	8.6 oz [244.0 g]

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.