



10 Gigabit PCI Express Network Card

1-Port PCI Express 2.0, 10GBASE-T, 5GBASE-T, 2.5GBASE-T

Part No.: **507950**

EAN-13: 0766623507950 | UPC: 766623507950

The Intellinet Network Solutions 10 Gigabit PCI Express Network Card is an ultra high-performance network adapter. It supports the PCI Express 2.0 bus architecture and supports speeds of up to 10 Gbps over a copper-wire network cable, making it the ideal choice to connect a server or high-end workstation to the network.

IEEE 802.3an 10GBASE-T Performance

The Intellinet Network Solutions 10 Gigabit PCI Express Network Card is an extremely versatile and ultra-high performing NIC for your server or state-of-the-art workstation. It combines 10 Gbps speeds with support for 16k super jumbo frames as well as support for older Ethernet standards, including VLAN tagging.

State-of-the-Art NBASE-T™ Technology

With full support of the IEEE 802.3bz standard, the Intellinet Network Solutions 10 Gigabit PCI Express Network Card supports Gigabit speeds using Cat6 and Cat5e network cabling. The former transfers and receives data at up to 5 Gbps whereas the latter still manages an impressive 2.5 Gbps.

Green Ethernet IEEE 802.3az

The Intellinet Network Solutions 10 Gigabit PCI Express Network Card provides

performance in abundance while conserving its resources. Based on the energy-efficient Tehuti TN4010 architecture, reduced power consumption translates directly into much lower heat generation by the PCIe adapter. Less heat means that the card performs perfectly fine with just a small heat sink. As a result, the card's footprint is much smaller than that of comparable Intel® X540-AT1 based cards, and its power consumption is vastly reduced as well.

Comprehensive Support for a wide range of Operating Systems

The Intellinet Network Solutions 10 Gigabit PCI Express Network Card supports a range of Windows®-based desktop and server operating systems, including Windows 10 and Windows Server 2012 and 2016. Additional support is available for Mac OS, Linux, Microsoft Hyper-V® and VMWare®.

5-Speed NIC — always the best possible speed

The Intellinet Network Solutions 10 Gigabit PCI Express Network Card provides full auto-negotiation support for 10 Gbps (10GbE), 5 Gbps (5GbE), 2.5 Gbps (2.5GbE), 1 Gbps (GbE) and 100 Mbps connections.

Features:

- Creates the ideal connection from a server or high-end workstation to the network
- Provides up to 10 Gbps data-transfer rate with Cat6a network cable
- Provides up to 5 Gbps data-transfer rate with Cat6 network cable or 2.5 Gbps with Cat5e cable
- Full compliance with 10GBase-T and NBASE-T™ specifications
- Backward compatible with traditional Gigabit and Fast Ethernet networks
- Energy-saving Energy Efficient Ethernet (IEEE 802.3az) technology
- Supports jumbo frames up to 16 kBytes (super jumbo frames)
- Supports IP, TCP and UDP Checksum Offload
- VLAN Tagging (IEEE 802.1Q)
- Supports PCI Express 2.0 specification
- Supports Windows®, Mac OS® and Linux®
- Supports Auto-Negotiation
- Supports Auto-MDIX
- Includes low-profile 8 cm bracket
- Three-year warranty

Specifications:

Standards

- IEEE 802.1q (VLAN Tagging)
- IEEE 802.3u (100Base-TX Fast Ethernet)
- IEEE 802.3ab (1000Base-T Gigabit Ethernet)
- IEEE 802.3an (10 Gigabit Ethernet over Cat6a Twisted-pair Copper)
- IEEE 802.3bz (2.5 Gbps over Cat5 or 5 Gbps over Cat6 Twisted-pair Copper)
- IEEE 802.3az (Energy Efficient Ethernet EEE)
- PCI Express 2.0

General

- Compliant with PCI-E 2.0 x4
- Supported speeds: 100 Mbps, 1 Gbps, 2.5 Gbps, 5 Gbps, 10 Gbps
- Bus type: PCI Express 2.0
- Tehuti TN4010 chipset
- FCC Class B, CE, RoHS

LEDs

- Link/activity
- Link speed

Environmental

- Dimensions: 81 (H) x 21 (W) x 122 (D) mm (3.2 x 0.8 x 4.8 in.)
- Weight: 65.2 g (2.3 oz.)
- Operating temperature: 0 – 50 °C (32 – 122 °F)
- Operating humidity: 10 – 90%, non-condensing

Supported OS

- Windows® 7, 8, 8.1 and Windows 10
- Windows Server® 2008 R2, 2012, 2012 R2, 2016, 2019
- Mac OS® 10.10.3 – 10.13
- Linux 2.6.24 to 4.4.x (LTS Versions only)
- Microsoft Hyper-V®
- VMWare® ESXi 5.0, 5.1 and 6.0

Package Contents

- 10 Gigabit PCI Express Network Card
- Quick Installation Guide
- Low-profile bracket
- Setup CD

