

10 Gigabit PCI Express Network Card

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

Part No.: 507950

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

IEEE 802.3an 10GBASE-T Performance

The Intellinet 10 Gigabit PCI Express Network Card provides an impressive data transfer speed of up to 10 Gigabits per second when using Cat6a (augmented Cat6 cabling with improved specifications). The network card combines this speed with support for 16k super jumbo frames and support for older Ethernet standards as well as VLAN tagging. It is an extremely versatile and ultra-high performing NIC for your server or state-of-art workstation.

State-of-the-Art NBASE-T™ Technology

With full support of the IEEE 802.3bz standard, the Intellinet 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 10 Gigabit PCI Express Network Card provides performance in abundance while conserving its resources. Based on the energy-efficient Tehuti TN4010 architecture, the 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 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 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:

- Up to 10 Gbps data-transfer rate with Cat6a network cable
- Up to 5 Gbps with Cat6 and 2.5 Gbps with Cat5e network cable
- 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

For more information on Intellinet products, consult your local dealer or visit www.intelllinet-network.com.
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- VLAN Tagging (IEEE 802.1Q)
- Supports PCI Express Rev 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, 5 Gbps over Cat6 Twisted-pair Copper)
• IEEE 802.3az (Energy Efficient Ethernet EEE)
• PCI Express Rev 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
• 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 PCIe Network Adapter
• Quick Installation Guide

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- Low-profile bracket
- Setup CD











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