



N-420

PCIe 10G 5-Speed NBase-T Network Controller Card

Sunrich Technology is the leading manufacturer of I/O connectivity products for desktops, notebooks, and tablets.

The 10GBase-T Network Adapter Card provides single-port connectivity that allows a server or desktop computer to join a network in your home or business with ease. The network card combines AQuantia's and Tehuti's patented technologies to offer a low cost, high-performance, and low power solution. The 10Gbase-T Network Adapter Card connects directly into your PCIe x16, x8, or x4 slot on your motherboard and is compatible with Windows, Mac and Linux operating systems. This card is ideal for intensive data environments and cost-conscious users alike.

Key Features:

- Low Cost, Low Power, 10 Gigabit performance in a low profile PCIe form factor
- IEEE 802.3an 10G, 1G and 100M over up to 100m of Cat6a (or better) cables
- NBASE-T Alliance draft specification 5G and 2.5G over up to 100m of Cat5e (or better) cables
- PCI Express Gen-2 x4 Host Bus interface
- 16K Jumbo Frames
- IP, TCP, UDP checksum offloading
- RMON statistics
- IEEE 802.1Q Tagged VLAN
- Virtual NIC support
- Reduced CPU utilization and improved throughput

Specifications

Chipset	<ul style="list-style-type: none"> • Tehuti TN9510 • AQuantia AQR105
Interface	<ul style="list-style-type: none"> • PCI Express Rev 2.0 Specification (5 GT/s)
Connectors	<ul style="list-style-type: none"> • RJ45
Enhancements	<ul style="list-style-type: none"> • Microsoft Scalable Networking • Low Latency (< 4 μS)
Ethernet & Media Support	<ul style="list-style-type: none"> • Full IEEE Std 802.3an compliant • NBASE-T Alliance draft specification compliant • 10G/5G/2.5G/1000M/100M auto negotiation support • Jumbo frame support (16K) • IEEE 802.1q VLAN support • RFC2819 RMON MIB statistics • Multicast • IEEE 802.3ad Link Aggregation support

System Compatibility:

- Windows® Server 2012R2, Server 2012, Server 2008R2, Windows® 7/8/8.1/10
- Mac® OS X 10.10.x (Yosemite)
- Linux 2.6.x/3.x
- VMware® 5.x/6.x/Hyper-V

Warranty:

- 2 years limited