

RP-4010EX

10GBase-T/NBASE-T PCI Express Adapter

RP-4010EX is an Multi-Gigabit (5-speed) 10GBase-T/NBASE-T Network Adapter Card, it supports auto-negotiation allowing the 5-speed to optimally select the best speed : 10 Gigabit Ethernet (10GbE), 5 Gigabit Ethernet (5GbE), 2.5 Gigabit Ethernet (2.5GbE), 1 Gigabit Ethernet (GbE) or 100 Megabit Ethernet (100MbE) over Cat5e/Cat6 or better cabling. This Multi-Gigabit NIC designed for low-power, low profile PCIe small form factor and single-port solution enabling pervasive NBASE-T connectivity.

Support IP, TCP and UDP checksum offloading that enhance performance and lower CPU utilization. The large send (up to 64KB) function increased network throughput.

The driver support Microsoft Windows Server 2012, 2012R2, 2008 R2, 10 Pro Insider Preview 64 bit, Win 8.1 32/64 bit, Win 7 32/64 bit, Microsoft Hyper-V. It also support Linux 2.6x, 3.x, vmware@ESXi 5.x, ESXi 6.0, Apple OS X 10.10.3 or later



Feature

- IEEE802.3an 10GBase-T Compliant
- NBASE-T (IEEE802.3bz) draft specification compliant
- Supports auto-negotiation for 10G/5G/2.5G/1G/100M
- Supports Jumbo frame 16K
- Supports 802.1q VLAN
- Supports RFC2819 RMON MIB statistics
- Supports Multicast
- Supports IEEE802.3ad Link Aggregation
- Microsoft Scalable Networking
- Receive-side scaling (RSS)
- IP, TCP and UDP checksum offloading
- Large Send up to 64KB
- Low Latency <4uS
- Provides cable diagnostics
- Low power consumption

Specification

Standards	IEEE802.3, IEEE802.3u, IEEE802.3ab, IEEE802.3x, IEEE802.3az, IEEE802.3an, IEEE802.3ad standards
Connector	One RJ-45 auto-negotiation for 10G/5G/2.5G/1G/100M
Cable	Cat5e/Cat6
LED	Power (Green) Link/Act(Green)
Bus Slot	PCI Express Rev2.0 (x4, x2, x1)
Buffer Memory	1Mbit
Jumbo Frame	16K Bytes
Software Support	Microsoft Windows Server 2012, 2012 R2, 2008 R2 Microsoft Windows 10 Pro Insider Preview 64bit, Win 8.1 32/64bit, Win 7 32/64bit Microsoft Hyper-V Linux 2.6.x and Linux 3.x VMware® ESXi 5.x, ESXi 6.0 Apple OS X 10.10.3 or later
Environment	Operating temperature : 0°C to 50°C Operating Humidity:10% to 90% (Non-Condensing) Storage temperature : -20°C to 70°C Storage Humidity:5% to 90% (Non-Condensing)
Dimension	82 x 62 mm
Certification	FCC, CE

Ordering information

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