

RP-4010EX

10GBase-T/NBASE-T PCIe Network Adapter

The RP-4010EX is an advanced Multi-Gigabit 10GBase-T/NBASE-T Network Adapter that delivers exceptional connectivity. It offers auto-negotiation capabilities for 10G/5G/2.5G/1G/100M speeds over Cat5e/Cat6 or better cables. Designed with a low-power, low-profile PCIe small form factor and a single-port solution, the RP-4010EX enables widespread adoption of NBASE-T connectivity, resulting in a remarkable performance boost of up to 500 percent compared to Gigabit Ethernet speeds.

Featuring a PCIe x4 universal interface, the RP-4010EX is compatible with PCIe x8 and x16 channels, ensuring seamless integration with various systems. It adheres to the IEEE802.3an/IEEE802.3bz standard and complies with the NBASE-T specification. The adapter supports essential features such as MSI, MSI-X, LSO, RSS, and IPv4/IPv6 checksum offloading, all of which enhance performance and reduce CPU utilization.

The RP-4010EX is a versatile Gigabit Ethernet Adapter that offers seamless compatibility with Windows (Win 7, 8.1, 10) and Linux (3.16, 4.2, 4.4, 4.15, 5.4). With reliable 10Gbps high-speed connectivity, it provides a cost-effective solution for diverse networking needs.



Features

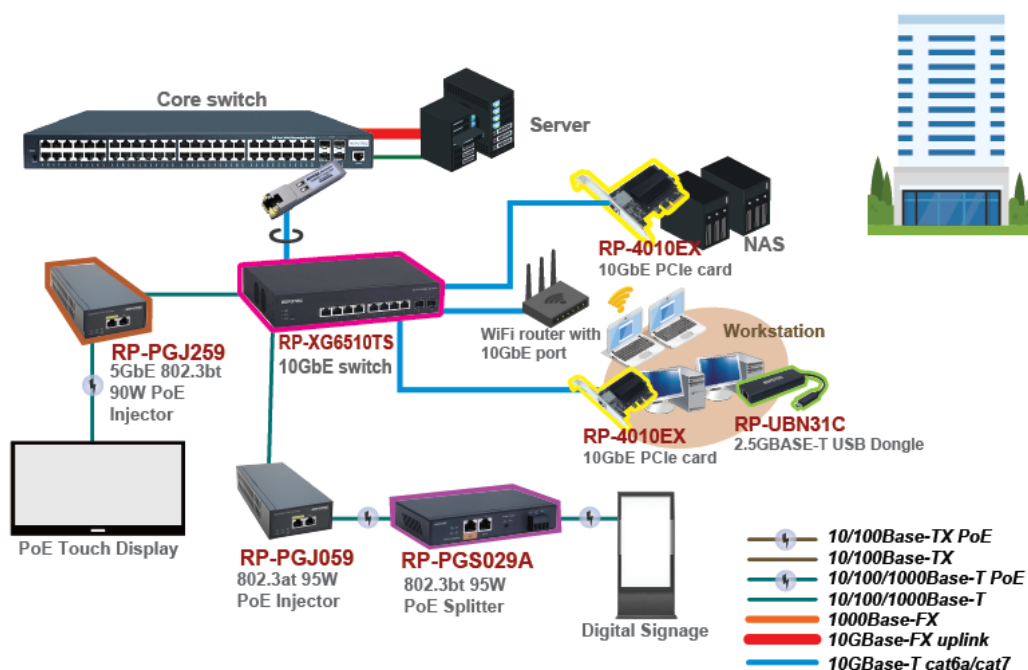
- PCI Express Gen3 x4
- IEEE802.3an 10GBase-T Compliant
- NBASE-T (IEEE802.3bz) specification compliant
- Supports auto-negotiation for 10G/5G/2.5G/1G/100M
- Supports IEEE 802.1Q VLAN ID tagging,
- IEEE802.3x flow control
- IEEE802.1P Quality of Service (QoS)
- IEEE802.1QAV Audio Video Bridging (AVB)
- Supports Jumbo frame 16K
- Supports Energy Efficient Ethernet (EEE)
- Supports Wake-on-LAN (WoL)
- Supports Advanced Configuration and Power Interface (ACPI)
- Supports Message Signaled Interrupt (MSI), MSI-X and legacy INTx PCIe interrupts
- Supports Large Send Offload(LSO), Receive-Side Scaling (RSS)
- Supports 1588v2

- IPv4, IPv6/TCP and IPv6/UDP checksum offload
- Windows Diagnostics
- Boot Options : UEFI and PXE
- Low profile form factor

Specifications

Standards	<ul style="list-style-type: none"> • IEEE802.3, IEEE802.3u, IEEE802.3ab, IEEE802.3x, • IEEE802.3bz, IEEE802.3an, IEEE802.3az standards
Connector	<ul style="list-style-type: none"> • One RJ-45 auto-negotiation for 10G/5G/2.5G/1G/100M
Cable	<ul style="list-style-type: none"> • 5G/2.5G/1G/100M: Cat 5e / Cat 6 (100m) • 10GbE: CAT 6a / CAT 7 (100m), Cat 6 (55m)
LED	<ul style="list-style-type: none"> • 10GbE Link (Green) / Act (Green) • 5GbE/2.5GbE/1GbE/100M Link (Amber) / Act (Green)
Bus Slot	<ul style="list-style-type: none"> • PCI Express Gen3 x4
Jumbo Frame	<ul style="list-style-type: none"> • 16K Bytes
Software Support	<ul style="list-style-type: none"> • Microsoft Windows drivers : Win 7 32/64-bit, Win8.1 32/64-bit and Win10 32/64-bit • Linux 3.16, 4.2, 4.4, 4.15 and 5.4
Environment	<ul style="list-style-type: none"> • 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	<ul style="list-style-type: none"> • 95 x 22 x121 mm (W x H x D)
Certification	<ul style="list-style-type: none"> • FCC, CE

Application



Ordering Information

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