



## RP-4010EX

### 10GBase-T/NBASE-T PCIe Network Adapter



The RP-4010EX is a Multi-Gigabit 10GBase-T/NBASE-T Network Adapter, it supports auto-negotiation for 10G/5G/2.5G/1G/100M over Cat5e/Cat6 or better cabling. RP-4010EX designed for

low-power, low profile PCIe small form factor and single-port solution enabling pervasive NBASE-T connectivity, to get a great performance gain—up to 500 percent over Gigabit Ethernet speed.

The RP-4010EX is a PCIe x4 universal interface and compatible with PCIe x8 and x16 channels. The RP-4010EX is compatible with IEEE802.3an/IEEE802.3bz standard and with the NBASE-T specification. Support MSI, MSI-X, LSO, RSS and IPv4/IPv6 checksum offloading that enhance performance and lower CPU utilization. The driver support Microsoft Windows Win 7, 8.1 and 10, it also support Linux 3.16, 4.2, 4.4, 4.15 and 5.4.

Connecting the RP-4010EX with the RJ45 cable, your system easy upgraded to superior performance in fast and reliable 10Gbps high-speed. The RP-4010EX is an ideal selection and cost-effective Gigabit Ethernet Adapter.

## Features

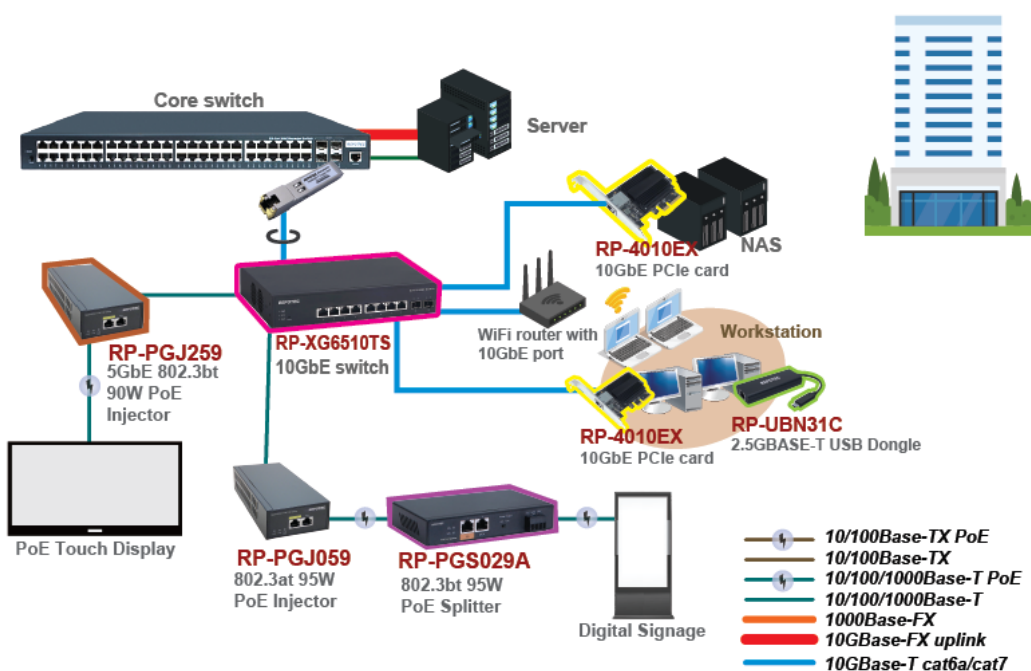
- PCI Express Gen3 x4
- IEEE802.3an 10GBase-T Compliant
- NBASE-T (IEEE802.3bz) specification compliant
- Supports auto-negotiation for 10G/5G/2.5G/1G/100M
- Supports IEEE 802.1Q VLAN ID tagging,
- IEEE802.3x flow control
- IEEE802.1P Quality of Service (QoS)
- IEEE802.1QAV Audio Video Bridging (AVB)
- 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

<b>Standards</b>	<ul style="list-style-type: none"> <li>• IEEE802.3, IEEE802.3u, IEEE802.3ab, IEEE802.3x,</li> <li>• IEEE802.3bz, IEEE802.3an, IEEE802.3az standards</li> </ul>
<b>Connector</b>	<ul style="list-style-type: none"> <li>• One RJ-45 auto-negotiation for 10G/5G/2.5G/1G/100M</li> </ul>
<b>Cable</b>	<ul style="list-style-type: none"> <li>• 5G/2.5G/1G/100M: Cat 5e / Cat 6 (100m)</li> <li>• 10GbE: CAT 6a / CAT 7 (100m), Cat 6 (55m)</li> </ul>
<b>LED</b>	<ul style="list-style-type: none"> <li>• 10GbE Link (Green) / Act (Green)</li> <li>• 5GbE/2.5GbE/1GbE/100M Link (Amber) / Act (Green)</li> </ul>
<b>Bus Slot</b>	<ul style="list-style-type: none"> <li>• PCI Express Gen3 x4</li> </ul>
<b>Jumbo Frame</b>	<ul style="list-style-type: none"> <li>• 16K Bytes</li> </ul>
<b>Software Support</b>	<ul style="list-style-type: none"> <li>• Microsoft Windows drivers : Win 7 32/64-bit, Win8.1 32/64-bit and Win10 32/64-bit</li> <li>• Linux 3.16, 4.2, 4.4, 4.15 and 5.4</li> </ul>
<b>Environment</b>	<ul style="list-style-type: none"> <li>• Operating temperature : 0°C to 50°C</li> <li>• Operating Humidity:10% to 90% (Non-Condensing)</li> <li>• Storage temperature : -20°C to 70°C</li> <li>• Storage Humidity:5% to 90% (Non-Condensing)</li> </ul>
<b>Dimension</b>	<ul style="list-style-type: none"> <li>• 95 x 22 x121 mm (W x H x D)</li> </ul>
<b>Certification</b>	<ul style="list-style-type: none"> <li>• FCC, CE</li> </ul>

## Application



## Ordering Information

**RP-4010EX**      10GBase-T/NBASE-T PCIe Network Adapter