

Low Profile Bracket Included

## 10 Gigabit Ethernet PCI Express Server Adapter 5-Speed of 10G, 5G, 2.5G, 1G & 100Mbps

EN-9320TX-E V2

### FEATURES

- **Easily Upgrade to 10GbE Connectivity:** Supports 10Gbps transmission speed for high-speed bandwidth-intensive requirements.
- **5-Speed Flexible Connection:** Accesses your network at multiple speeds of 10G, 5G, 2.5G, 1G and 100Mbps.
- **Backward Compatibility:** Compliant with 10/5/2.5/1Gbps and 100Mbps.
- **Cost-Effective Deployment:** Compatible with IEEE 802.3bz (NBASE-T) supports 10G, 5G, 2.5G, 1G and 100Mbps existing copper network of Cat.5 or better cabling.
- **Advanced Performance Features:** Supports 802.1Q Virtual LAN (VLAN) tagging, 16K Jumbo Frame, Quality-of-Service (QoS), IEEE 802.3x Flow Control and IP, TCP, DUP checksum offloading for improved network performance.

### OVERVIEW

The EN-9320TX-E V2 10 Gigabit Ethernet PCI Express Server Adapter supports 5-speed 10G, 5G, 2.5G, 1G and 100Mbps network connection with auto-negotiation is an ideal selection as a convenient addition, upgrade or replacement your server, workstation or computer network connection for high-performance, low-power consumption and better-quality.

With the benefits of low-latency, high-throughput and cost-effective, the EN-9320TX-E V2 meets the bandwidth-intensive requirements such as large file transfers, HD video editing and online gaming, while utilizes high-performance speeds and shared storage system to have improved server efficiency and network performance.

### 10 Gigabit Superior Network Speed

Equipped with one 10 Gigabit RJ45, the EN-9320TX-E V2 is capable of providing 10 times better performance than existing Gigabit transmissions. The adapter is an capable server NIC for your networks that supports up to 20Gbps full-duplex bandwidth capacity. With the PCI Express rev. 3.0 specification x4 interface, the EN-9320TX-E V2 provides an optimal PCI Express upgrade solution to the main board.

### High-Performance Advanced Features and Security

The EN-9320TX-E V2 supports 802.1Q Virtual LAN (VLAN) tagging for Ethernet frames, allowing the network administrator to assign multiple subnets to each server for better traffic management which provides flexible operation while having a secure and simple network environment. In addition, the EN-9320TX-E V2 supports other advanced features such as 16K Jumbo Frame to maximize the throughput, Quality-of-Service (QoS) technology to allow network administrator to prioritize bandwidth for a smooth connection experience, IEEE 802.3x Flow Control to avoid risks of packet loss for best performance in data transfer and IP, TCP, DUP checksum offloading to transfer to checksum processing tasks to the EN-9320TX-E V2 network card to reduce CPU processing burden with improved throughputs.

### Cost-effective and Easy Migration 10GbE Adapter

With 10Gbps high-speed, Edimax EN-9320TX-E V2 adapter offers cost-effective solution on 10 Gigabit network connection. The distance can reach up to 100 meters over structured Cat.6a or Cat.7 RJ-45 cabling without the need to rewire the infrastructure to fiber. Designed with the latest 10Gbps high-speed technology, the EN-9320TX-E V2 is completely compatible with IEEE 802.3bz (NBASE-T) networking standard supports 10G, 5G, 2.5G, 1Gbps and 100Mbps existing copper network of Cat5e or better cabling.

# 10 Gigabit Ethernet PCI Express Server Adapter

## 5-Speed of 10G, 5G, 2.5G, 1G & 100Mbps

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### SPECIFICATIONS

#### HARDWARE

Interface	PCI Express 2.0/3.0 x16 host bus interface RJ-45 10G, 5G, 2.5G, 1G and 100Mbps LAN Port
LED Indicator	SPEED, LNK/ACT
Power Consumption	4.05W
Dimension	86.95 (W) x 67.9 (D) x 1.6 (H) mm
Weight	78.4g

#### PERFORMANCE & FEATURE

Jumbo Frame	16K Bytes
Maximum Data Speed	10Gbps, 5Gbps, 2.5Gbps, 1Gbps or 100Mbps
Additional Feature	<ul style="list-style-type: none"><li>• Full Duplex Mode: Up to 20Gbps, 10Gbps, 5Gbps, 2Gbps or 200Mbps</li><li>• 802.3x Flow Control for traffic management</li><li>• IPv4, IPv6/TCP and IPv6/UDP checksum offload</li><li>• IPv4/v6 IP, TCP, UDP segmentation Task-offload</li><li>• Protocol offload (ARP &amp; NS)</li><li>• Quality of Service (QoS)</li></ul>

#### NETWORK STANDARD & OS

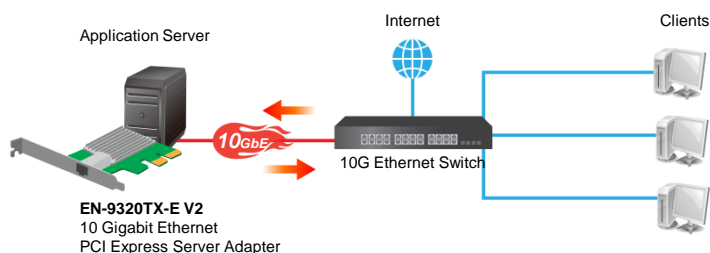
Standard	<ul style="list-style-type: none"><li>• IEEE 802.3an: 10GBase-T 10 Gigabit Ethernet</li><li>• IEEE 802.3ab 1000Base-T Gigabit Ethernet</li><li>• IEEE 802.3u 100Base-TX Fast Ethernet</li><li>• IEEE 802.3bz NBASE-T</li><li>• IEEE 802.3az Energy Efficient Ethernet</li><li>• IEEE 802.1p Priority Queuing</li><li>• IEEE 802.3x: Flow Control and Back Pressure</li><li>• IEEE 802.1Q Tagged VLAN support</li><li>• IEEE 802.1Qav, AVB (Audio Video Bridging)</li><li>• IEEE 1588 v2 PTP (Precision Time Protocol)</li></ul>
OS Compatibility	<ul style="list-style-type: none"><li>• Windows 7/8/8.1/10 (32/64-bit)</li><li>• Linux Kernel 4.4, 4.8, 4.9</li></ul>

#### OTHERS

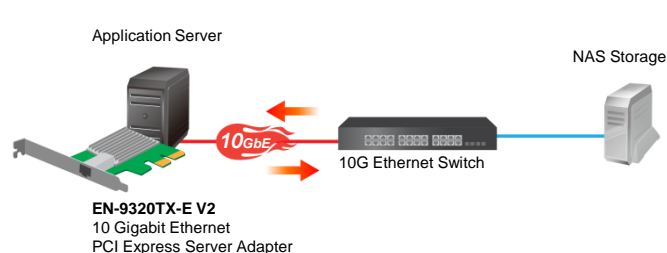
Certification	CE, FCC, RoHS
Environmental Condition	<ul style="list-style-type: none"><li>• Operating Temperature: 32~122°F (0~50°C)</li><li>• Storage Temperature: -40~185°F (-40~85°C)</li></ul>
Package Content	<ul style="list-style-type: none"><li>• 10 Gigabit Ethernet PCI Express Server Adapter</li><li>• Low Profile Bracket</li><li>• Quick Installation Guide</li></ul>

### APPLICATION DIAGRAM

#### Public & Intranet Network Access



#### Private Network Database Access



Maximum performance, actual data rates, and coverage will vary depending on network conditions and environmental factors. Product specifications and design are subject to change without notice.  
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