



Low Profile Bracket Included



EN-9320TX-E



10 Gigabit Ethernet PCI Express Server Adapter

The EN-9320TX-E is a 10 Gigabit Ethernet PCI Express Server Adapter designed for the high-speed PCI Express bus architecture. This meets the high-performance requirements such as large file transfers and HD video editing, which utilizes high-performance shared storage system to have improved server efficiency and network performance. Connecting the EN-9320TX-E with the RJ45 cable, your system instantly upgraded to superior performance in fast and reliable 10Gbps high-speed. The EN-9320TX-E is an ideal selection to upgrade your server or workstation as the high-performance, low-power consumption and better-quality solution to complement the requirements of low latency, high bandwidth, high-throughput and cost-effective Gigabit Ethernet Adapter.

10GbE Superior Network Speed

Equipped with one 10 Gigabit RJ45 interface, the EN-9320TX-E is capable of providing 10 times better performance than existing Gigabit transmissions. The adapter is an easily capable server NIC of your networks that supports up to 2000Mbps full-duplex bandwidth capacity. With the PCI Express rev. 2.0 specification x4 Interface, the EN-9320TX-E provides an optimal PCI Express upgrade solution to the main board.

Advanced Features and Security

The EN-9320TX-E is designed with high-speed PCI Express bus architecture that includes advanced features and security. It sports 802.1Q Virtual LAN (VLAN) tagging for Ethernet frames, allowing the network administrator to assign multiple subnets to each server. Moreover, it can separate devices within each VLAN from the rest of the network for better traffic management. This provides flexible operation while having a secure and simple network environment. In addition, the EN-9320TX-E supports other advanced features such as 16K Jumbo Frame to maximize the throughput and IEEE 802.3x Flow Control, which avoids risks of packet loss for best performance in data transfer.

Cost-effective and Easy Migration 10G Adapter

With 10Gbps high-speed, Edimax EN-9320TX-E 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 is completed compatible with 10/5/2.5/1Gbps and 100Mbps networking standards and existing copper network.

10G Spec	Interface	Media	Maximum Distance	Total Ownership Cost
10GBase-T	RJ-45	Cat.6a/Cat.7 UTP cable	100 meters / 328 ft.	Low
10GBase-CX4	CX4	Copper	15 meters / 49 ft.	Medium

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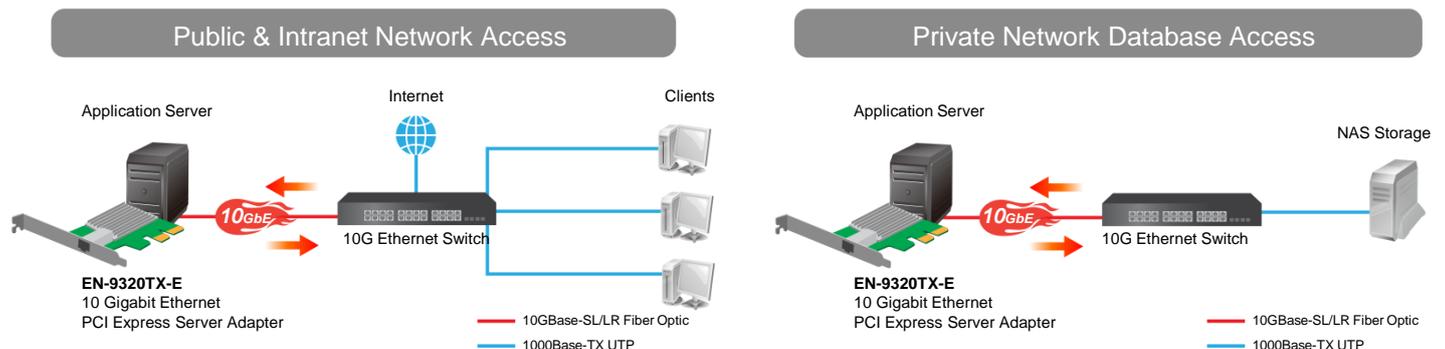
KEY FEATURES

- PCI Express rev. 2.0 Specification x4 interface
- 10 Gigabit throughput with 100-meter UTP cable
- Backward compatible with 1000Base-T, 100Base-TX network
- 16K jumbo frames
- IP, TCP, UDP checksum offloading
- Reduced CPU utilization and improved through
- Supports IEEE 802.1Q VLAN ID tagging and IEEE 802.1q QoS
- Low profile bracket included

SPECIFICATIONS

Hardware	
Attachment Interface	PCI Express Rev. 2.0 Specification x4 Interface
Media Interface	RJ-45 Connector
Jumbo Frame	16K Bytes
LED Indicators	LNK / ACT Per Port
Typical Power Consumption	4 Watts
Software	
OS Compatibility	Windows Server 2012 R2, Server 2012, Server 2008R2, Server 2016 Windows 10, Windows 8.1, Windows 7 (32/64-bit) Linux 4.x, 3.x, Linux 2.6.x (32/64-bit) Mac OS X 10.10.X (Yosemite) Mac OS X 10.11.x (EL Captain) MAC OS Sierra (10.12.x) VMware ESXi 6.0, 5.5, 5.1 Microsoft Hyper-V Linux KVM Oracle VirtualBox
Environment	
Temperature	Operating: 0 - 50 °C Storage: -40 - 85 °C
Humidity (Non-Condensing)	Operating: 5 - 95% Storage: 5 - 95%
Physical Characteristics	
Dimensions (W x D)	82 x 62mm
Weight	45g
Standards Compliance	
Standards and Protocols	IEEE 802.3ae: 10Gbps Ethernet IEEE 802.3x: Flow Control and Back Pressure IEEE 802.2ad: Link Aggregation IEEE 802.1Q VLAN support RFC2819 RMON MIB statistics
Certifications	FCC, CE

APPLICATION DIAGRAM



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

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