

Low Profile Bracket Included

2.5 Gigabit Ethernet PCI Express Server Adapter 3-Speed of 2.5G, 1G & 100Mbps

EN-9225TX-E

FEATURES

- **Easily Upgrade to 2.5GbE Connectivity:** Supports 2.5Gbps transmission speed for high-speed bandwidth-intensive requirements.
- **3-Speed Flexible Connection:** Accesses your network at multiple speeds of 2.5G, 1G and 100Mbps.
- **Backward Compatibility:** Compliant with 2.5G, 1Gbps and 100Mbps.
- **Cost-Effective Deployment:** Compatible with IEEE 802.3bz (NBASE-T) supports 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-9225TX-E is a 2.5 Gigabit Ethernet PCI Express Server Adapter designed for the high-speed PCI Express bus architecture. It supports 3-speed 2.5G, 1G, and 100Mbps network connection with auto-negotiation. The EN-9225TX-E provides an ideal selection as a convenient addition, upgrade or replacement for 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-9225TX-E 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.

2.5 Gigabit Superior Network Speed

Equipped with one 2.5 Gigabit RJ45, the EN-9225TX-E is capable of providing 2.5 times better performance than existing Gigabit transmissions. The adapter is a capable server NIC for your networks that supports up to 20Gbps full-duplex bandwidth capacity. With the PCI Express rev. 2.0 specification x1 interface, the EN-9225TX-E provides an optimal PCI Express upgrade solution to the mainboard.

High-Performance Advanced Features and Security

The EN-9225TX-E 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-9225TX-E 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-9225TX-E network card to reduce CPU processing burden with improved throughputs.

Cost-effective and Easy Migration 10GbE Adapter

With 2.5Gbps high-speed, Edimax EN-9225TX-E adapter offers cost-effective solution on 2.5 Gigabit network connection. The distance can reach up to 100 meters on Cat5e or better ,RJ-45 cabling without the need to rewire the infrastructure to fiber. Designed with the 2.5Gbps high-speed technology, the EN-9225TX-E is completely compatible with IEEE 802.3bz (NBASE-T) networking standard, which supports 2.5G, 1Gbps and 100Mbps existing copper network of Cat5e or better cabling.

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SPECIFICATIONS

HARDWARE

Interface	32/64-bit PCI Express Gen-2 x1 Host Bus RJ-45 2.5G, 1G and 100Mbps LAN Port
LED Indicator	SPEED, LNK/ACT
Power Consumption	3.678W
Dimension	86.95 (W) x 54.49 (D) x 1.6 (H) mm
Weight	38.8g

PERFORMANCE & FEATURE

Jumbo Frame	9K Bytes
Maximum Data Speed	2.5Gbps, 1Gbps or 100Mbps
Additional Feature	<ul style="list-style-type: none"> • Full Duplex Mode: Up to 5Gbps, 2Gbps or 200Mbps • 802.3x Flow Control for traffic management • IPv4, IPv6/TCP and IPv6/UDP checksum offload • IPv4/v6 IP, TCP, UDP segmentation Task-offload • Protocol offload (ARP & NS) • Wake-on-LAN (WoL) power management • Quality of Service (QoS)

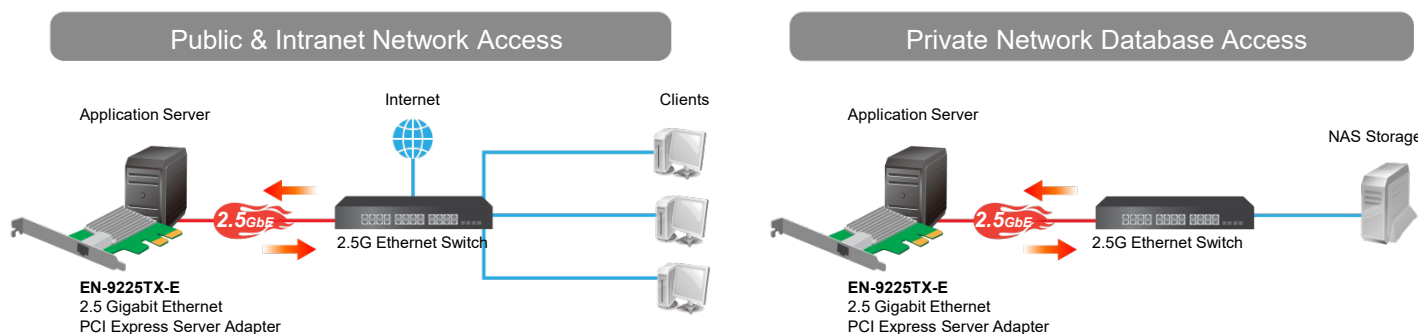
NETWORK STANDARD & OS

Standard	<ul style="list-style-type: none"> • IEEE 802.3ab 1000Base-T Gigabit Ethernet • IEEE 802.3u 100Base-TX Fast Ethernet • IEEE 802.3bz NBASE-T • IEEE 802.3az Energy Efficient Ethernet • IEEE 802.1p Priority Queuing • IEEE 802.3x: Flow Control and Back Pressure • IEEE 802.1Q Tagged VLAN support • IEEE 802.1Qav, AVB (Audio Video Bridging) • IEEE 1588 v2 PTP (Precision Time Protocol)
OS Compatibility	<ul style="list-style-type: none"> • Windows 7/8/8.1/10 (32/64-bit) • Linux Kernel 3.2, 3.10, 3.12, 4.4

OTHERS

Certification	CE, FCC, IC, RCM, BSMI
Environmental Condition	<ul style="list-style-type: none"> • Operating Temperature: 32~104°F (0~40°C) • Storage Temperature: -40~140°F (-40~60°C)
Package Content	<ul style="list-style-type: none"> • 2.5 Gigabit Ethernet PCI Express Server Adapter • Low Profile Bracket • Quick Installation Guide

APPLICATION DIAGRAM



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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