



8-Port 2.5GbE Web Smart Switch with 1 10GbE Multi-Gigabit Port

TGS-3109XT

FEATURES

- 8 x 2.5GbE and 1 x 10GbE Multi-Gigabit 5-Speed (100M/1G/2.5G/5G/10G) RJ45 port
- No need to upgrade cabling infrastructure. Doubles network bandwidth up to 2.5GbE by leveraging existing CAT5E cabling infrastructure
- Web-based setup interface enables easy configuration and management
- Supports smart management features including QoS, 802.1Q VLAN, Port Trunking/Link Aggregation, Port Mirroring, IGMP Snooping v1/v2/v3, Broadcast Storm Control, Loop Detection/Prevention and more
- Supports 60Gbps backplane bandwidth, 44.64Mpps forwarding rate, 4K MAC address table and 12KB jumbo frame
- Fanless, quiet, compact and durable wall-mountable metal chassis design

OVERVIEW

The EDIMAX Pro TGS-3109XT is a web-smart switch with 8x2.5GbE and 1x10GbE ports. The 10GbE port is a Multi-Gigabit 5-Speed that provides either 100Mbps, 1Gbps, 2.5Gbps, 5Gbps or 10Gbps. The switch offers powerful and reliable network connectivity, providing sufficient bandwidth and fast speed demanding applications such as data transferring, backup, video conferencing, IP surveillance, and Wi-Fi 6/6E/7 APs.

With user-friendly smart web-based management utility features, showing outstanding performance and high efficiency that offers essential features such as QoS, 802.1Q VLAN, Port Trunking/Link Aggregation, Port Mirroring, IGMP Snooping v1/v2/v3, Broadcast Storm Control, Loop Detection/Prevention. The TGS-3109XT is a compact yet useful switch, ideal for network connectivity in the home, small office, small-and-medium business and enterprise environments.

Boost the Network Connection to 2.5GbE and 10GbE Multi-Gigabit

Equipped with 8 2.5GbE RJ45 ports for high-speed connections, the TGS-3109XT breaks the gigabit barrier and supports the full potential of Wi-Fi 6/6E/7 APs. The dedicated RJ45 10GbE Multi-Gigabit (100M/1G/2.5G/5G/10G) port uplink capability allows the TGS-3109XT to be easily deployed in multiple physical locations, such as branches, retails, or remote workgroup environment for larger network access.

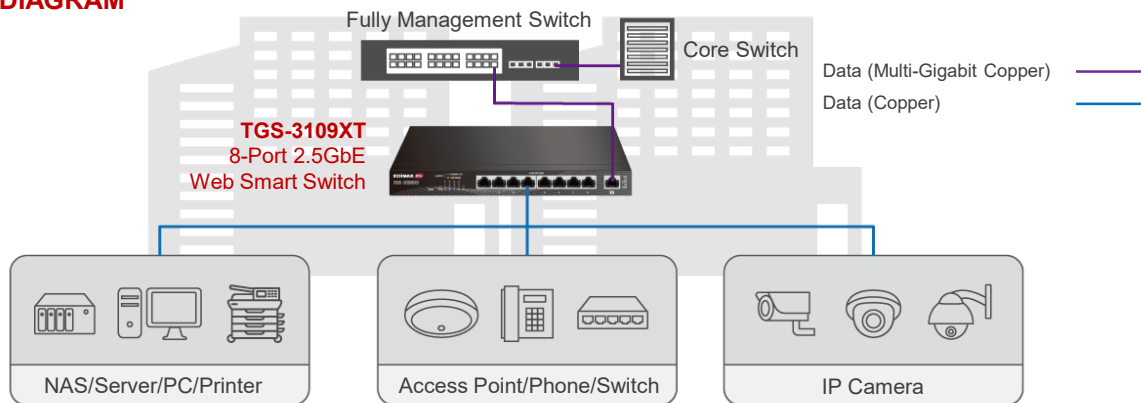
Doubled Performance up to 2.5GbE with Existing Cabling Infrastructure

Just plug Ethernet enabled devices into the TGS-3109XT to double the network bandwidth up to 2.5GbE while leveraging existing CAT5E cabling infrastructure for cost saving with no additional cables required. In all, it lowers the installation costs and simplifies the deployment effort. (*Require at least CAT6A/CAT7 cable for 10GbE Multi-Gigabit port to perform max. speed.)

Intuitive and Powerful Smart Layer 2 Management

The TGS-3109XT is designed for small-and-medium business (SMB) networks that require smart and simple network management. This web smart switch meets the network growing need by providing advanced essential features such as QoS, 802.1Q VLAN, Port Trunking/Link Aggregation, Broadcast Storm Control, Loop Detection/Prevention, Port Mirroring and more. Further optimizing the performance of business networks. Experience fast and easy operations with just a few simple clicks through the user-friendly web-based management utility, your network is ready to use with ease.

APPLICATION DIAGRAM



SPECIFICATIONS

HARDWARE

| | |
|----------------|--|
| Ports | <ul style="list-style-type: none"> • 8 x RJ45 2.5GBase-T 2.5 Gigabit Ports • 1 x RJ45 10GBase-X 10 Gigabit Uplink Port |
| Buttons | Reset Button |
| LED Indicators | <ul style="list-style-type: none"> • PWR: System Power Status • Link/Act: Connection and Transmission Status |
| Power Input | External Power Supply (DC12V/1A) |
| Mounting | Desktop / Wall-mount |
| Housing | Metal |
| Fan | Fanless |
| Dimensions | 240 (W) x 105 (D) x 27 (H) mm (9.45 (W) x 4.13 (D) x 1.06 (H) inches) |
| Weight | 713g (1.58lb) |

PERFORMANCE

| | |
|--------------------------------|---------------------------------------|
| Switching Capacity / Backplane | 60Gbps |
| Forwarding Rates | Max. 44.64Mpps (64-byte Package Size) |
| MAC Address Table | 4K |
| Jumbo Frame | 12KB |
| Packet Buffer | 8.1Mb |

SMART FEATURES

| | |
|--------------------------|---|
| Quality of Service (QoS) | <ul style="list-style-type: none"> • Port-based QoS • IEEE802.1p QoS • 4 Priority Queues • Scheduling Algorithms |
| VLAN | <ul style="list-style-type: none"> • Up to 10 VLANs • 802.1Q Tag-based VLAN |
| Port Trunking | <ul style="list-style-type: none"> • IEEE 802.3ad LACP Trunk-Static Trunk |
| IGMP Snooping | <ul style="list-style-type: none"> • IGMP v1/v2/v3 Snooping • Block Unknown Multicast Traffic • Multicast Groups: 128 |
| Port Mirroring | Port Mirroring Traffic Direction: <ul style="list-style-type: none"> • Both (Ingress and Egress) • Ingress • Egress |
| Security | <ul style="list-style-type: none"> • Broadcast Storm Control |
| Management | <ul style="list-style-type: none"> • User Interface: Web-based Management • User Account: Login Account Configuration • Firmware Upgrade: Firmware Upgrade by WEB • Loop Detection/Prevention |

OTHERS

| | |
|-------------------------|--|
| Standard | <ul style="list-style-type: none"> • IEEE 802.3u 100Base-TX Fast Ethernet • IEEE 802.3ab 1000Base-T Gigabit Ethernet • IEEE 802.3bz 2.5GBase-T 2.5G Ethernet • IEEE 802.3an 10GBase-T 10 Gigabit Ethernet • IEEE 802.3x Full-duplex and Flow Control • IEEE 802.1p Quality of Service (QoS) • IEEE 802.1Q Virtual LANs VLANs • IEEE 802.3ad Link Aggregation Control Protocol (LACP) • IEEE 802.3az Energy Efficient Ethernet |
| Environmental Condition | Temperature: <ul style="list-style-type: none"> • Operating: 0~40°C (32~104°F) • Storage: -40~70°C (-40~158°F) Humidity: <ul style="list-style-type: none"> • Operating: 10~90% (NonCondensing) • Storage: 10~90% (NonCondensing) |
| Certifications | FCC, CE |

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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