

TGS-3109XT

User Manual

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Contents

<i>I. Product Information.....</i>	<i>1</i>
I-1. Package Content	2
I-2. Hardware Overview	2
I-3. LED Status.....	3
<i>II. Installation</i>	<i>3</i>
II-1. Physically Setup.....	3
II-2. Connection	4
<i>III. Web-based Configuration Utility</i>	<i>6</i>
<i>IV. Web-based Switch Configuration.....</i>	<i>8</i>
IV-1. System.....	8
IV-2. Management.....	9
IV-3. Port.....	11
IV-4. Long Range Mode	12
IV-5. VLAN.....	13
IV-6. Trunking	15
IV-7. Port Mirroring	16
IV-8. QoS.....	17
IV-8-1. Disable QoS:	17
IV-8-2. Port-Based QoS:	18

IV-8-3. IEEE 802.1p QoS:	19
IV-9. Broadcast Storm Control	20
IV-10. Rate Limiting	21
IV-11. Loop Detect/Prevent.....	22
IV-12. IGMP Snooping	23
IV-14. Logout	24
<i>V. Safety Instructions</i>	25

I. Product Information

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

You can find all supporting documents from the link below or via QR Code:

<https://www.edimax.com/download>

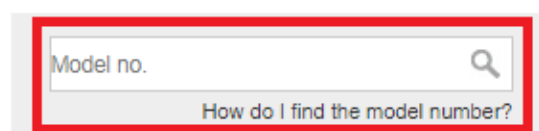


(Once you've visited the Edimax official website, please enter the model no. **"TGS-3109XT"** into the search box to search for your product.)

Download

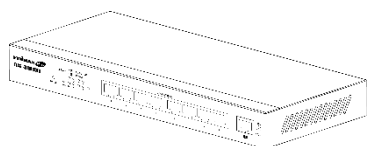
To select your product and find related download materials, enter the model number into the search box on the right side or follow the simple steps below:

*Feel free to contact us anytime if you need help or if you can't find your product.

A screenshot of a web search interface. It features a search box with the placeholder text "Model no." and a magnifying glass icon on the right. Below the search box is a link that reads "How do I find the model number?". The entire search area is highlighted with a red rectangular border.

I-1. Package Content

Before start using this product, please check if there is anything missing in the package, and contact your dealer to claim the missing item(s):



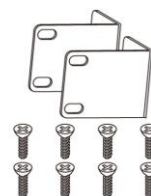
TGS-3109XT



**Quick Installation
Guide**

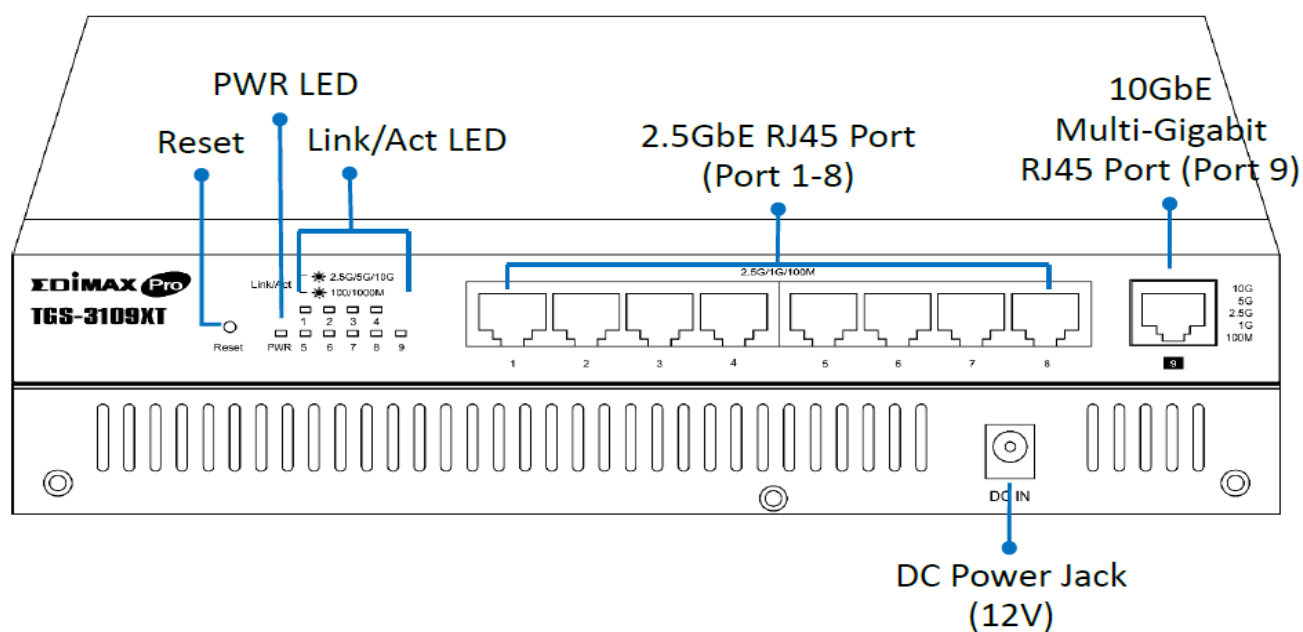


Power Cord



Ra

I-2. Hardware Overview



I-3. LED Status

Function	Color	Status	Description
PWR	Green	On	Power on
		Off	Power off
Link/Act (Port 1-9)	Green	On	Link at 2.5/5/10Gbps
		Blinking	Sending or receiving data
		Off	Port disconnected or link fail
	Amber	On	Link at 100M/1000Mpps
		Blinking	Sending or receiving data
		Off	Port disconnected or link fail

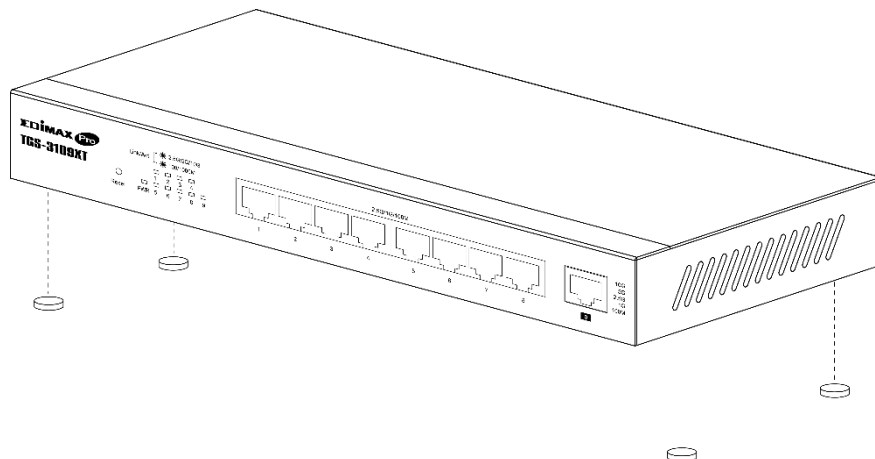
II. Installation

Read the following below procedures in the correct order. Incorrect installation may cause damage to the product.

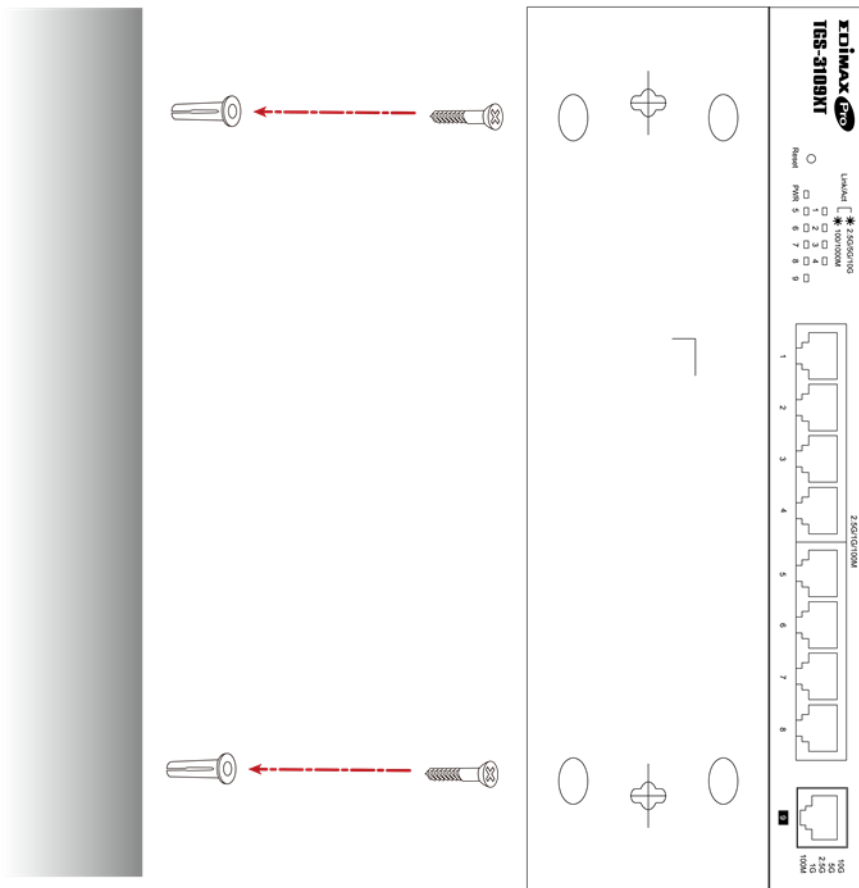
II-1. Physically Setup

There are two ways to physically set up the switch.

- 1. Desktop Placement:** Place the switch on a flat surface and install the four rubber feet (included) on the bottom of the switch.



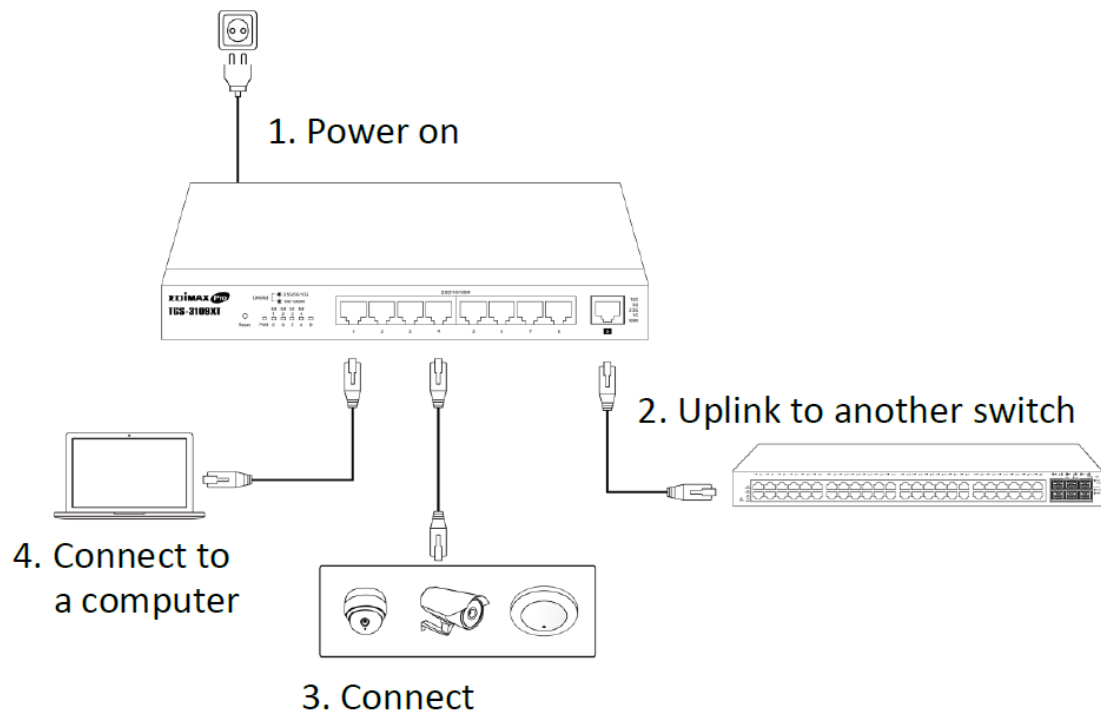
1. **Wall-mount the switch:** You can mount the switch on a wall. The switch is designed with mounting holes. Two sets of wall-mounted screws are required. For wall-mounted installation, please refer to the figure below (this product does not come with wall-mounted installation screws and accessories). Measure the distance between the 2 mounting holes and screw a screw each into the wall. Carefully place the unit onto the wall by covering the caps of the screw with the mounting holes and keep it with good ventilation.



II-2. Connection

1. **Power on:** Connect the power cord to the switch and the power outlet. The switch is powered by the DC12V/1A power supply. (Note: Make sure the PWR LED is green.)
2. **Uplink:** Plug CAT6 or above Ethernet cable into Port 9(10G port) and connect it to another switch.

3. **Connect devices:** Plug the standard Cat5e or above Ethernet cable into the LAN port 1-8 and connect to any networking device with an Ethernet port. The hardware installation is complete!
4. **Connect a computer:** Connect your computer with the switch and get ready for web-based configuration with following "Section III Web-based Configuration Utility".



III. Web-based Configuration Utility

This section describes how to navigate the web-based switch configuration utility through web browser. **Be sure to disable any browser pop-up blocker.**

Browser Restrictions

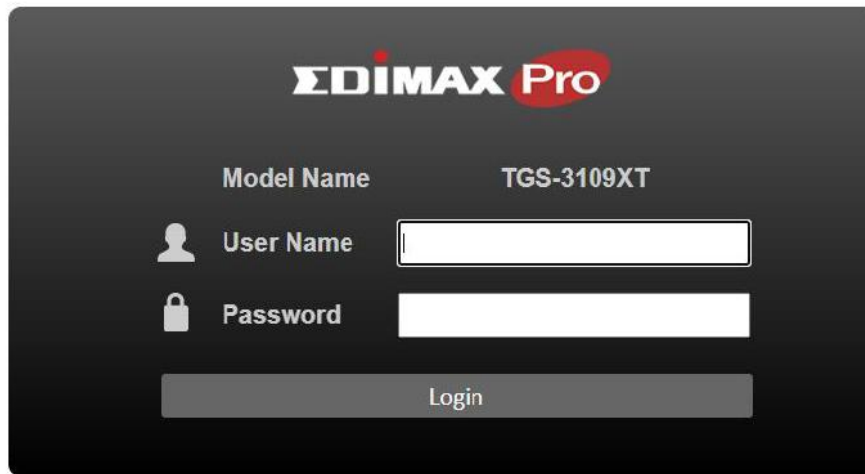
- If you are using older versions of Internet Explorer, you cannot directly use an IPv6 address to access the device. You can, however, use the DNS (Domain Name System) server to create a domain name that contains the IPv6 address, and then use that domain name in the address bar in place of the IPv6 address.
- If you have multiple IPv6 interfaces on your management station, use the IPv6 global address instead of the IPv6 link local address to access the device from your browser.

Launching the Configuration Utility

1. Connect your computer with the switch then open a web browser.
2. Enter the IP address of the switch you are configuring in the address bar on the browser (factory default IP address is 192.168.2.1) and then press Enter. Please make sure that your computer's IP address is in the same subnet as this switch. The default IP address is an IP address in the range of 192.168.2.X (X=2-254). You can modify the IP address of your computer if you need.

Default IP	192.168.2.1
Default User Name	admin
Default Password	1234

3. The default username is “admin” and the default password is “1234”.



The image shows a login interface for EDIMAX Pro. At the top, the logo "EDIMAX Pro" is displayed. Below it, the "Model Name" is "TGS-3109XT". There are two input fields: "User Name" with a user icon and "Password" with a lock icon. A "Login" button is at the bottom.

4. The first time that you log in with the default username and password, you are required to change password.

Change Password



The image shows a "Change Password" form. It has three input fields: "New User Name:", "New Password:", and "Confirm New Password:". A "Confirm" button is at the bottom right.

Note: Password ONLY accept "a-z", "A-Z", "0-9" and the length is at least 4 and up to 20 characters.

5. For more information about Web-based Configuration Utility, please download User Manual from EDIMAX official website.
<https://www.edimax.com/download/>

IV. Web-based Switch Configuration

The Web Smart switches provide rich functionalities.

This chapter describes how to use the web-based management interface (Web UI) to configure the switch's features.

For the purposes of this manual of TGS-3109XT, the user interface is separated into fifteen sections, as shown in the following figure:

The screenshot displays the EDIMAX Pro TGS-3109XT web management interface. The header shows the EDIMAX Pro logo and the device name 'TGS-3109XT' with the description '8-Port 2.5GbE Web Smart Switch with 1 10GbE Multi-Gigabit Port'. On the left is a navigation menu with options: System Information, Management, Port, Long Range Mode, VLAN, Trunking, Port Mirroring, QoS, Broadcast Storm Control, Rate Limiting, Loop Detect/Prevent, IGMP Snooping, Password, and Logout. The main content area is titled 'System' and contains a table with the following data:

Model Name	TGS-3109XT
Device Name	TGS-3109XT
Firmware Version	1.0.4
Build Date	2024.04.02
MAC Address	FC:8F:C4:0F:05:24
IPv4 Address	192.168.2.1
Subnet Mask	255.255.255.0
Gateway	192.168.2.254
Loop Status	Normal

IV-1. System

This page shows system current information. It also allows user to edit some system information.

To change the Device Name, click on the **Device Name** to edit. Enter the new device name and click the “Apply” button

Device Name:

Item	Description
Model Name	Model name of the switch.
Device Name	System name of the switch. This name will also use as CLI prefix of each line. ("Switch>" or "Switch#").
Firmware Version	Current running firmware image version.
MAC Address	Base MAC address of the switch.
IPv4 Address	Current system IPv4 address.
Subnet Mask	A 32-bit number that masks an IP address
Gateway	TCP / IP protocol under the gateway
Loop Status	Displays whether or not loops exist in the network
PoE Status	Display PoE status

IV-2. Management

Use the Management Access pages to upgrade firmware, restore or backup the configuration and configure settings of management access.

DHCP

IP Address

Subnet Mask

Gateway

Management

Configuration Restore/Backup

No file chosen

Firmware Upgrade

Item	Description
DHCP	Enable: Obtain an IP address from DHCP Server automatically.
	Disable: Use a static IP address
IP Address	Specify the switch static IP address on the static configuration.
Subnet Mask	Specify the switch subnet mask on the static configuration.
Gateway	Specify the gateway on the static configuration. The gateway must be in the same subnet with switch IP address configuration.

Item	Description
Management	Reboot: You can reboot the switch by pressing the “Reboot” button. Reset: You can reset the switch to default by pressing the “Reset “button.

Item	Description
Configuration Restore/Backup	Backup: Backup the configurations from this TGS-3109XT. Restore: Restore the configurations choosing configuration file from PC or NB.

Item	Description
Firmware Upgrade	Upgrade firmware by selecting the Firmware file from PC or NB.

IV-3. Port

Configuring the Data rate of each port

Select a Speed in the drop down menus and click **“Apply”** to apply the settings.

Port Status

Port	Speed	Connection	TX(Pkts)	RX(Pkts)
1	2.5G Full	1000 Mbps	1074	2345
2	Auto	Down	0	0
3	10M Full	Down	0	0
4	100M Full	Down	0	0
5	1G Full	Down	0	0
6	2.5G Full	Down	0	0
7	Auto	Down	0	0
8	Auto	Down	0	0
9	Auto	Down	0	0
9	10G Full	Down	0	0

Clear Counters

Apply

Item	Description
Port	Port number
Speed	Port speed capabilities. ●Auto: Auto speed with all capabilities. ●10M Full: Speed with Full-Duplex ●100M Full: Speed with Full-Duplex ●1G Full: Speed with Full-Duplex ●2.5G Full: Speed with Full-Duplex ●10G Full: Speed with Full-Duplex
Connection	Down: Displays port is not in use. Or link speed if it is in use.
TX(Pkts)	This field shows the number of packets transmitted on this port.
RX(Pkts)	This field shows the number of packets received on this port.
Clear Counters	Click to reset statistics data.

IV-4. Long Range Mode

This page shows how to enable or disable Long Range Mode
Select **Enable** or **Disable** to enable or disable Long Range Mode.

NOTE: Enable long range mode will double the cabling distance but reduce the speed to 10Mbps.

Long Range Mode

Enable long range mode will double the cabling distance but reduce the speed to 10Mbps.

Port	Status
1	Disable ▾
2	Disable ▾
3	Disable ▾
4	Disable ▾
5	Disable ▾
6	Disable ▾
7	Disable ▾
8	Disable ▾

Apply

IV-5. VLAN

This page allows user to configure each port of selected VLANs.

PVID=Port VLAN ID, Each port only belong to a PVID exclusively.

PVID

Port	01	02	03	04	05	06	07	08	09
PVID	1	1	1	1	1	1	1	1	1

Apply

Maximum number of IEEE 802.1Q VLAN : 9

VLAN ID	Non-Member			Tag Egress Member			Untag Egress Member			Modify	Delete
	01	02	03	04	05	06	07	08	09	Modify	Delete
1										Modify	Delete

Create New VLAN

Click on button to change member state or remove vlan.

Item	Description
Apply	Click “Apply” to save the values.
Port	Designated port number.
PVID	Enter a Port VLAN ID for each port.
Create New VLAN	Click “Create New VLAN” to enter new VLAN settings.
VLAN ID	Virtual LAN ID, or called VID
Non-Member	Port is not a member of a VLAN.
Tag Egress Member	Tag outgoing packets of a port which is a member of the VLAN.
Untag Egress Member	Untag outgoing packets of a port which is a member of the VLAN.
Modify	Modify port settings of a specific VLAN.
Delete	Delete a specific VLAN.

NOTE: PVID will be assigned to any untagged frames entering the switch on that port (assuming the switch is using port-based VLAN classification). Each port can set a PVID ONLY.

IV-5-1 Create New VLAN

1. Click “Create New VLAN” to enter new VLAN settings.

Maximum number of IEEE 802.1Q VLAN : 9

VLAN ID	Non-Member Tag Egress Member Untag Egress Member									Modify	Delete
	01	02	03	04	05	06	07	08	09		
1										Modify	Delete

Create New VLAN

Click on button to change member state or remove vlan.

2. Enter the valid VLAN ID (2~4094), and click “Apply”

IEEE 802.1Q VLAN

VLAN ID	Non-Member Tag Egress Member Untag Egress Member								
	01	02	03	04	05	06	07	08	09
20									

Apply

New VLAN has been created!

Maximum number of IEEE 802.1Q VLAN : 9

VLAN ID	Non-Member Tag Egress Member Untag Egress Member								
	01	02	03	04	05	06	07	08	09
1									
20									

IV-5-2 Change the Member State

Click” **Modify**” button to change the member state.

Maximum number of IEEE 802.1Q VLAN : 9

VLAN ID	Non-Member Tag Egress Member Untag Egress Member									Modify	Delete
	01	02	03	04	05	06	07	08	09		
1										Modify	Delete
20										Modify	Delete

There are 3 VLAN member states:

Non-Member Tag Egress Member Untag Egress Member

Click on the box to change each the member state, and click “**Apply**”.

IV-5-3 Delete the VLAN

Click "**Delete**" button to delete the targeted VLAN.

Maximum number of IEEE 802.1Q VLAN : 9

VLAN ID	Non-Member			Tag Egress Member			Untag Egress Member			Modify	Delete
	01	02	03	04	05	06	07	08	09		
1										Modify	Delete
20										Modify	Delete

Note: If the VLAN ID is used as PVID, deleting the VLAN ID is not allowed.

IV-6. Trunking

Link aggregation (trunking) is the grouping of physical ports into one logical higher-capacity link. You may want to trunk ports if, for example, it is cheaper to use multiple lower-speed links than to under-utilize a high-speed, but more costly, single-port link.

The Switch supports the link aggregation IEEE802.3ad standard. This standard describes the Link Aggregation Control Protocol (LACP), which is a protocol that dynamically creates and manages trunk groups.

When you enable LACP link aggregation on a port, the port can automatically negotiate with the ports at the remote end of a link to establish trunk groups. LACP also allows port redundancy, that is, if an operational port fails, then one of the "standby" ports become operational without user intervention.

Note:

- **LACP only works on full-duplex links.**
- **All ports in the same trunk group must have the same media type, speed, duplex mode, and flow control settings.**
- **Configure trunk groups or LACP before you connect the Ethernet switch to avoid causing network topology loops.**

LACP

LACP Global State	Disable ▼				Disable ▼			
Link Aggregation Algorithm	MAC Address ▼							
Link Group Activity	Passive ▼				Passive ▼			
Link Group Member	Port 1	Port 2	Port 3	Port 4	Port 5	Port 6	Port 7	Port 8
	Link Disconnected	Link Disconnected	Link Disconnected	Link Disconnected	Link Disconnected	Link Disconnected	Link Disconnected	Link Disconnected

Apply

Item	Description
LACP Global State	Select “Enable “or “Disable” to enable or disable Link Aggregation Control Protocol.
Link Aggregation Algorithm	Select the outgoing traffic distribution type. Packets from the same source and/or to the same destination are sent over the same link within the trunk. By default, the Switch uses the MAC SA & DA distribution type. MAC SA & DA: To distribute traffic based on a combination of the packet’s source MAC address and destination MAC address. MAC SA: To distribute traffic based on the packet’s source MAC address. MAC DA: To distribute traffic based on the packet’s destination MAC address.
Link Group Activity	Switch TX LACP control packet Passive or Active. By default, the Switch uses the Passive mode.
Link Group Member	The check box of ports would be checked after the port is added into the Link Group successfully.
Apply	Click Apply to save your changes.

IV-7. Port Mirroring

Port mirroring selects the network traffic for analysis by a network analyzer. This is done for specific ports of the switch. You may configure the ports as source ports or configure one of the ports is as a destination port.

Mirror Setting

☒ Enable Mirror

Mirror Direction	Monitor Port	Mirrored Port List
Ingress ▾	Port 1 ▾	☐ 1 ☒ 2 ☐ 3 ☐ 4 ☐ 5 ☐ 6 ☐ 7 ☐ 8 ☐ 9

Apply

Item	Description
Enable Mirror	Enable/disable port mirroring.
Mirror Direction	Select the mirror direction: • Both(Ingress and Egress) • Ingress • Egress
Monitor Port	Select the mirror destination port.
Mirrored Port List	Choose the destination of the mirrored port.
Apply	Click Apply to save the changes.

IV-8. QoS

There are two options of QoS mechanism are provided for traffic forwarding: port-based QoS and 802.1p QoS. Users can switch to either of them on the Web page.

When Quality of Service (QoS) feature is enabled, traffic will be forwarded according to the predefined setting of port-based QoS or 802.1p QoS.

If QoS type is set as port-based, the priority is based on the incoming port of the traffic.

The current queue for each port is configured as below.

IV-8-1. Disable QoS:

☒ Disable QoS ☐ Port-Based QoS ☐ IEEE 802.1p QoS

QoS is Disable !!!

IV-8-2. Port-Based QoS:

☒ Port-Based QoS ☐ IEEE 802.1p QoS

Schedule Method

WFQ

WFQ
Strict Priority

Port	1	2	3	4	5	6	7	8	9	weight
Queue0	☐	☐	☐	☐	☐	☐	☐	☐	☐	1 ▾
Queue1	☐	☐	☐	☐	☐	☐	☐	☐	☐	2 ▾
Queue2	☐	☐	☐	☐	☐	☐	☐	☐	☐	4 ▾
Queue3	☒	☒	☒	☒	☒	☒	☒	☒	☒	8 ▾

Apply

- Queue0 Low Priority
- Queue1 Normal Priority
- Queue2 Medium Priority
- Queue3 High Priority

Item	Description
Schedule Method	WFQ(Weighted Fair Queue) Strict Priority
Weight (WFQ Method ONLY)	WFQ weight options: weight 1 ▾ 1 ▾ 1 2 4 8 16 32
Apply	Click Apply to save the changes.

IV-8-3. IEEE 802.1p QoS:

☐ Disable QoS
 ☐ Port-Based QoS
 ☒ IEEE 802.1p QoS

Schedule Method

WFQ

WFQ

Strict Priority

Priority	0(low)	1	2	3	4	5	6	7(highest)	weight
Queue0	☒	☒	☒	☒	☒	☒	☒	☒	1
Queue1	☐	☐	☐	☐	☐	☐	☐	☐	2
Queue2	☐	☐	☐	☐	☐	☐	☐	☐	4
Queue3	☐	☐	☐	☐	☐	☐	☐	☐	8

Apply

If QoS type is set to 802.1p, the priority is based on the incoming PCP field of the traffic. The current queue for each PCP is configured as below.

PCP value	Priority	Acronym	Traffic types
1	0 (lowest)	BK	Background
0	1(default)	BE	Best effort
2	2	EE	Excellent effort
3	3	CA	Critical applications
4	4	VI	Video, < 100ms latency and jitter
5	5	VO	Voice, < 10 ms latency and jitter
6	6	IC	Internetwork control
7	7(highest)	NC	Network control

Item	Description
Schedule Method	WFQ(Weighted Fair Queue) Strict Priority

Weight (WFQ Method ONLY)	WFQ weight options: weight 1 ▾ 1 ▾ 1 2 4 8 16 32
Apply	Click Apply to save the changes.

IV-9. Broadcast Storm Control

A traffic storm occurs when packets flood the network ports, creating traffic and impacting network performance in a negative way. The broadcast storm control feature prevents network ports from being disrupted by a broadcast, multicast, or DLF (Destination Lookup Failure) traffic storm.

Broadcast Storm Control

Port	Broadcast	Multicast	DLF
1	no limit ▾	no limit ▾	no limit ▾
2	no limit ▾	no limit ▾	no limit ▾
3	no limit ▾	no limit ▾	no limit ▾
4	no limit ▾	no limit ▾	no limit ▾
5	no limit ▾	no limit ▾	no limit ▾
6	no limit ▾	no limit ▾	no limit ▾
7	no limit ▾	no limit ▾	no limit ▾
8	no limit ▾	no limit ▾	no limit ▾
9	no limit ▾	no limit ▾	no limit ▾

Apply

Select a limit in the drop down menus behind the storm control features and click “Apply” to apply the settings.

Broadcast Storm Control

Port	Broadcast
1	no limit
2	no limit
3	512Kbps
4	1Mbps
5	2Mbps
6	4Mbps
7	8Mbps
8	16Mbps
9	32Mbps
	64Mbps
	128Mbps
	256Mbps
	512Mbps
	1000Mbps

Apply

IV-10. Rate Limiting

When the Rate Control feature is enabled, TGS-3109XT provides Ingress/Egress traffic Rate Control per port for broadcast traffic type. Enable this feature to reduce broadcast packets in your network.

By default, there is no rate limited.

You can limit it by filling in the # to change the Ingress/Egress rate.

Port 1-8 1024 ~ 2,500,000kbps

Port 9 1024 ~ 100,000,000kbps

Rate Limiting

Port	Ingress rate	Egress rate
1	2500000 kbps(1024 - 2500000)	2500000 kbps(1024 - 2500000)
2	2500000 kbps(1024 - 2500000)	2500000 kbps(1024 - 2500000)
3	2500000 kbps(1024 - 2500000)	2500000 kbps(1024 - 2500000)
4	2500000 kbps(1024 - 2500000)	2500000 kbps(1024 - 2500000)
5	2500000 kbps(1024 - 2500000)	2500000 kbps(1024 - 2500000)
6	2500000 kbps(1024 - 2500000)	2500000 kbps(1024 - 2500000)
7	2500000 kbps(1024 - 2500000)	2500000 kbps(1024 - 2500000)
8	2500000 kbps(1024 - 2500000)	2500000 kbps(1024 - 2500000)
9	10000000 kbps(1024 - 10000000)	10000000 kbps(1024 - 10000000)

Click “Apply” to apply the setting.

IV-11. Loop Detect/Prevent

Users can choose to enable Loop Detection or Loop Prevention.

Loop Detection/Prevention

Off
Loop Detection
Loop Prevention

Item	Description
Off	By Default, Loop Detection/Prevention is disabled.
Loop Detection	When loop is detected, the Link/ACT LEDs of the ports will raise the warning by blinking.
Loop Prevention	When loop is detected, the port will be disabled and turned off the Link/ACT LED of the looped port.
Apply	Click Apply to save the changes.

Note:

The Loop Detection function does not repair the loop, but only issues a warning message by blinking LEDs of the ports

IV-12. IGMP Snooping

The IGMP snooping software examines IGMP protocol messages within a VLAN to discover which interfaces are connected to hosts or other devices interested in receiving this traffic. Using the interface information, IGMP snooping can reduce bandwidth consumption in a multi-access LAN environment to avoid flooding the entire VLAN. The IGMP snooping feature tracks which ports are attached to multicast-capable routers to help it manage the forwarding of IGMP membership reports. The IGMP snooping software responds to topology change notifications

System
Management
Port
Long Range Mode
VLAN
Trunking
Mirror
QoS
Broadcast Storm Control
Rate Limiting
Loop Detect/Prevent
IGMP Snooping

IGMP Snooping

- ☐ Blocking Unknown Multicast
- ☐ Enable IGMP Snooping

IGMP Static Router Port

No Static Router Port ▼

Apply

Multicast Group	Port	Vid
-----------------	------	-----

Note: When LACP function is enable, the two corresponding ports can not set to " Static Router Port ".

NOTE: When “Enable IGMP Snooping” is selected, IGMP Static Router Port can be selected using the drop down menu. Click “Apply” to apply the settings.

IGMP Snooping

- ☐ Blocking Unknown Multicast
- ☒ Enable IGMP Snooping

IGMP Static Router Port

Apply

Port 3 ▼
No Static Router Port
Port 1
Port 2
Port 3
Port 4
Port 5
Port 6

Multicast Group	Port	Vid
224.0.0.251	3	
239.255.255.250	3	1
224.0.0.252	3	1

IV-13. Password

In this page you can change the user name and password.
Click the “**Confirm**” button to save the changes.

Change Password

New User Name:	
New Password:	
Confirm New Password:	

Note:

Password can only use "a-z","A-Z","0-9" and the length is at least 4, max is 20.

IV-14. Logout

Click the **Logout** button to exit the Web Management UI of TGS-3109XT.

System
Management
Port
Long Range Mode
VLAN
Trunking
Mirror
QoS
Broadcast Storm Control
Rate Limiting
Loop Detect/Prevent
IGMP Snooping
PoE
Password
Logout

V. Safety Instructions

The following general safety guidelines are provided to help ensure your own personal safety and protect your product from potential damage. Remember to consult the product user instructions for more details.

- This product is designed for indoor use only.
- Static electricity can be harmful to electronic components. Discharge static electricity from your body (i.e. touching grounded bare metal) before touching the product.
- The device contains no user serviceable parts. Do not attempt to service the product and never disassemble the product.
- Do not spill food or liquid on your product and never push any objects into the openings of your product.
- Do not use this product near water, areas with high humidity, or condensation.
- Keep the product away from radiators and other heat sources.
- This device is not designed to be operated by children.
- Always unplug the product from mains power before cleaning and use a dry lint free cloth only.

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The product you have purchased and the setup screen may appear slightly different from those shown in this QIG. The software and specifications are subject to change without notice. Please visit our website www.edimax.com for updates. All brand and product names mentioned in this manual are trademarks and/or registered trademarks of their respective holders.

Federal Communication Commission Interference Statement

This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.

FCC Radiation Exposure Statement

This device complies with FCC radiation exposure limits set forth for an uncontrolled environment and it also complies with Part 15 of the FCC RF Rules. This equipment must be installed and operated in accordance with provided instructions and the antenna(s) used for this transmitter must be installed to provide a separation distance of at least 20 cm from all persons and must not be co-located or operating in conjunction with any other antenna or transmitter. End-users and installers must be provided with antenna installation instructions and consider removing the no-collocation statement.

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

- (1) this device may not cause harmful interference, and
- (2) this device must accept any interference received, including interference that may cause undesired operation.

Caution!

Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

R&TTE Compliance Statement

This equipment complies with all the requirements of DIRECTIVE 2014/30/EU OF THE EUROPEAN PARLIAMENT AND THE COUNCIL of March 9, 1999 on radio equipment and telecommunication terminal equipment and the mutual recognition of their conformity (R&TTE). The R&TTE Directive repeals and replaces in the directive 98/13/EEC (Telecommunications Terminal Equipment and Satellite Earth Station Equipment) As of April 8, 2000.

Safety

This equipment is designed with the utmost care for the safety of those who install and use it. However, special attention must be paid to the dangers of electric shock and static electricity when working with electrical equipment. All guidelines of this and of the computer manufacture must therefore be allowed at all times to ensure the safe use of the equipment.

EU Countries Intended for Use

The ETSI version of this device is intended for home and office use in Austria, Belgium, Bulgaria, Croatia, Cyprus, Czech, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Poland, Portugal, Romania, Slovakia, Slovenia, Spain, Sweden, Turkey, and United Kingdom. The ETSI version of this device is also authorized for use in EFTA member states: Iceland, Liechtenstein, Norway, and Switzerland.

EU Countries Not Intended for Use

None

EU Declaration of Conformity

- English:** This equipment is in compliance with the essential requirements and other relevant provisions of Directive 2014/30/EU.
- Français:** Cet équipement est conforme aux exigences essentielles et autres dispositions de la directive 2014/30/EU.
- Čeština:** Toto zařízení je v souladu se základními požadavky a ostatními příslušnými ustanoveními směrnic 2014/30/EU.
- Polski:** Urządzenie jest zgodne z ogólnymi wymaganiami oraz szczególnymi warunkami określonymi Dyrektywą UE 2014/30/EU.
- Română:** Acest echipament este în conformitate cu cerințele esențiale și alte prevederi relevante ale Directivei 2014/30/EU.
- Русский:** Это оборудование соответствует основным требованиям и положениям Директивы 2014/30/EU.
- Magyar:** Ez a berendezés megfelel az alapvető követelményeknek és más vonatkozó irányelveknek (2014/30/EU).
- Türkçe:** Bu cihaz 2014/30/EU. direktifleri zorunlu istekler ve diğer hükümlerle ile uyumludur.
- Українська:** Обладнання відповідає вимогам і умовам директиви 2014/30/EU.
- Slovenčina:** Toto zariadenie spĺňa základné požiadavky a ďalšie príslušné ustanovenia smerníc 2014/30/EU.
- Deutsch:** Dieses Gerät erfüllt die Voraussetzungen gemäß den Richtlinien 2014/30/EU.
- Español:** El presente equipo cumple los requisitos esenciales de la Directiva 2014/30/EU.
- Italiano:** Questo apparecchio è conforme ai requisiti essenziali e alle altre disposizioni applicabili della Direttiva 2014/30/EU.
- Nederlands:** Dit apparaat voldoet aan de essentiële eisen en andere van toepassing zijnde bepalingen van richtlijn 2014/30/EU.
- Português:** Este equipamento cumpre os requisitos essenciais da Directiva 2014/30/EU.
- Norsk:** Dette utstyret er i samsvar med de viktigste kravene og andre relevante regler i Direktiv 2014/30/EU.
- Svenska:** Denna utrustning är i överensstämmelse med de väsentliga kraven och övriga relevanta bestämmelser i direktiv 2014/30/EU.
- Dansk:** Dette udstyr er i overensstemmelse med de væsentligste krav og andre relevante forordninger i direktiv 2014/30/EU.
- suomen kieli:** Tämä laite täyttää direktiivien 2014/30/EU. oleelliset vaatimukset ja muut asiaankuuluvat määräykset.

FOR USE IN



WEEE Directive & Product Disposal



At the end of its serviceable life, this product should not be treated as household or general waste. It should be handed over to the applicable collection point for the recycling of electrical and electronic equipment, or returned to the supplier for disposal.

Declaration of Conformity

We, Edimax Technology Co., Ltd., declare under our sole responsibility, that the equipment described below complies with the requirements of the European R&TTE directives.

Equipment: 8-port 2.5G Base-T + 1 port 10G Base-T Web-lite Switch
Model No.: TGS-3109XT

The following European standards for essential requirements have been followed:

Directives 2014/30/EU

EMC : EN 55032:2015/A1:2020
EN IEC 61000-3-2:2019+A1:2021
EN 61000-3-3:2013+A2:2021
EN 55035:2017/A11:2020

Directives 2014/35/EU

Safety (LVD) : EN IEC 62368-1:2020+A11:2020

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Printed Name: David Huang

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Printed Name: Hunter Chen

Title: Director



Declaration of Conformity

We, Edimax Technology Co., Ltd., declare under our sole responsibility, that the equipment described below complies with the requirements of the United Kingdom EMC and Safety directives.

Equipment: 8-port 2.5G Base-T + 1 port 10G Base-T Web-lite Switch
Model No.: TGS-3109XT

The following European standards for essential requirements have been followed:

Electromagnetic Compatibility Regulations 2016 (S.I. 2016/1091)

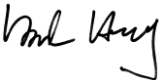
EMC : EN 55032:2015/A1:2020
EN IEC 61000-3-2:2019+A1:2021
EN 61000-3-3:2013+A2:2021
EN 55035:2017/A11:2020

Electrical Equipment (Safety) Regulations 2016 (S.I. 2016/1101)

Safety (LVD) : EN IEC 62368-1:2020+A11:2020

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