GS-5654LX & GS-5654PLX

Quick Installation Guide

05-2022 / v1.1

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Contents

I Product Information

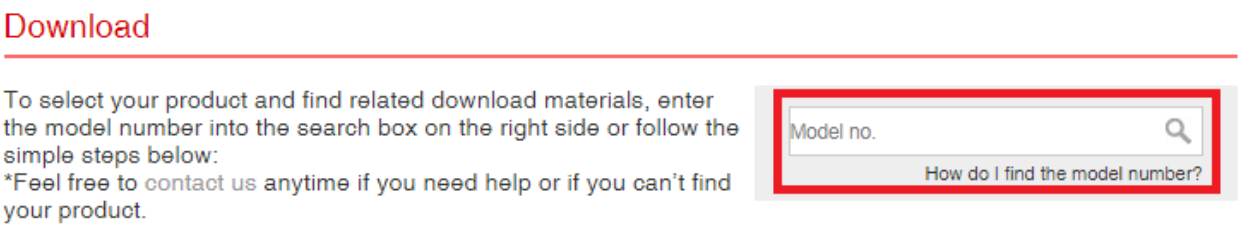
The EDIMAX Pro GS-5654LX and GS-5654PLX fully utilizes the power of your office networking for demanding tasks, such as data backup, video conferencing, high volume transaction processing, large file transferring, and more.

With smart features such as SNMP v1/v2/v3, PoE PD Alive Check, DHCP Snooping, QoS, CoS, STP, 802.1Q VLAN, IPv4/IPv6, Port Trunking, IGMP v1/v2/v3 Snooping and Port Mirroring, the EDIMAX Pro GS- 5654LX web smart switch provides a cost-effective, reliable, scalable and secure switch solution for SMB networks.

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

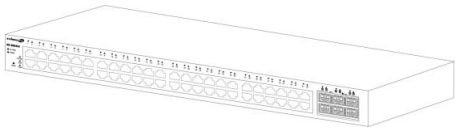
https://www.edimax.com/download

(Once you've visited the Edimax official website, please enter the model no. "GS-5654LX or GS-5654PLX" into the search box to search for your product.)



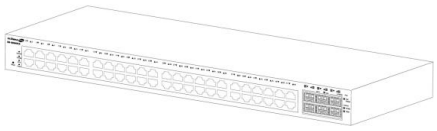
I-1 Package Content

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):

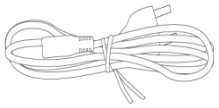


GS-5654LX

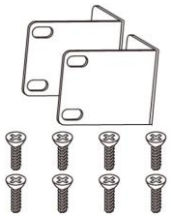
or



GS-5654PLX



Power Cord



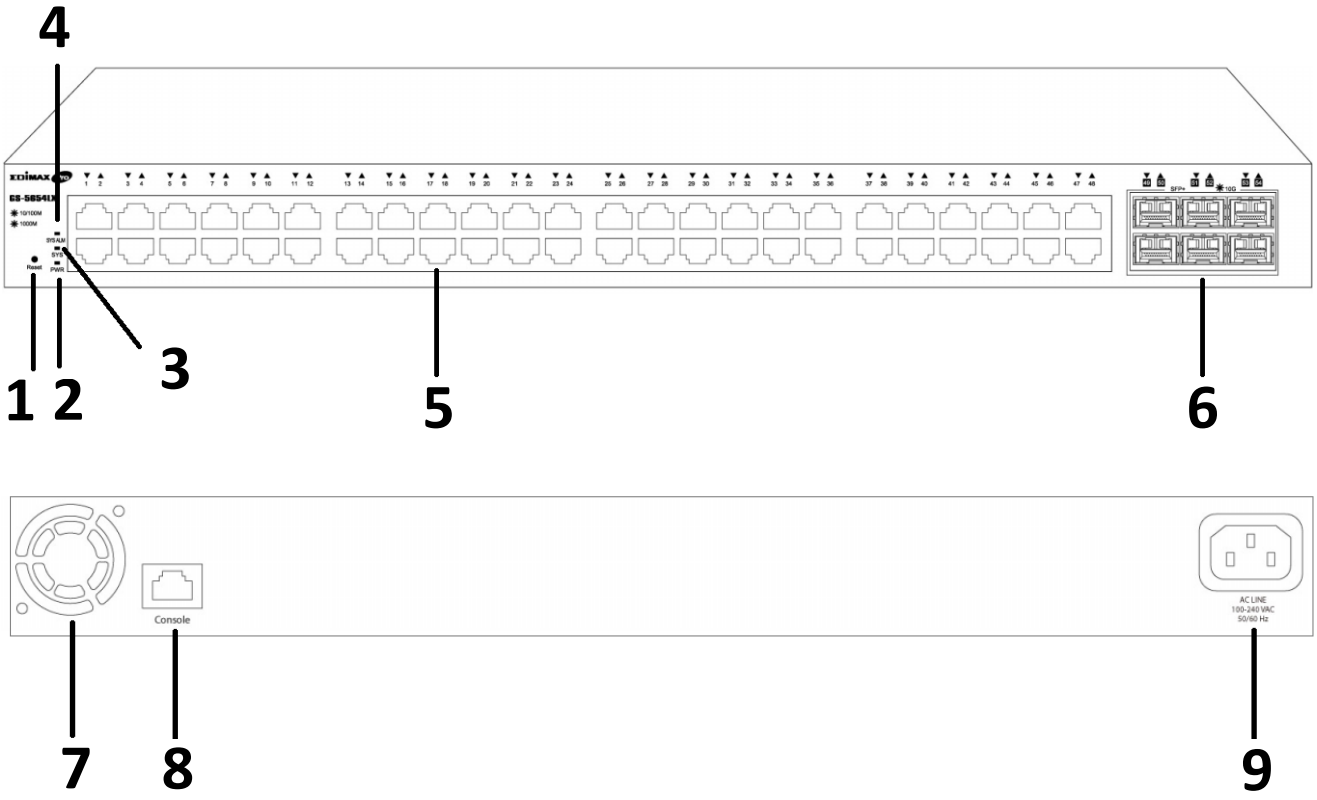
Rack-Mount Kit & Screws

QIG

Console Cable

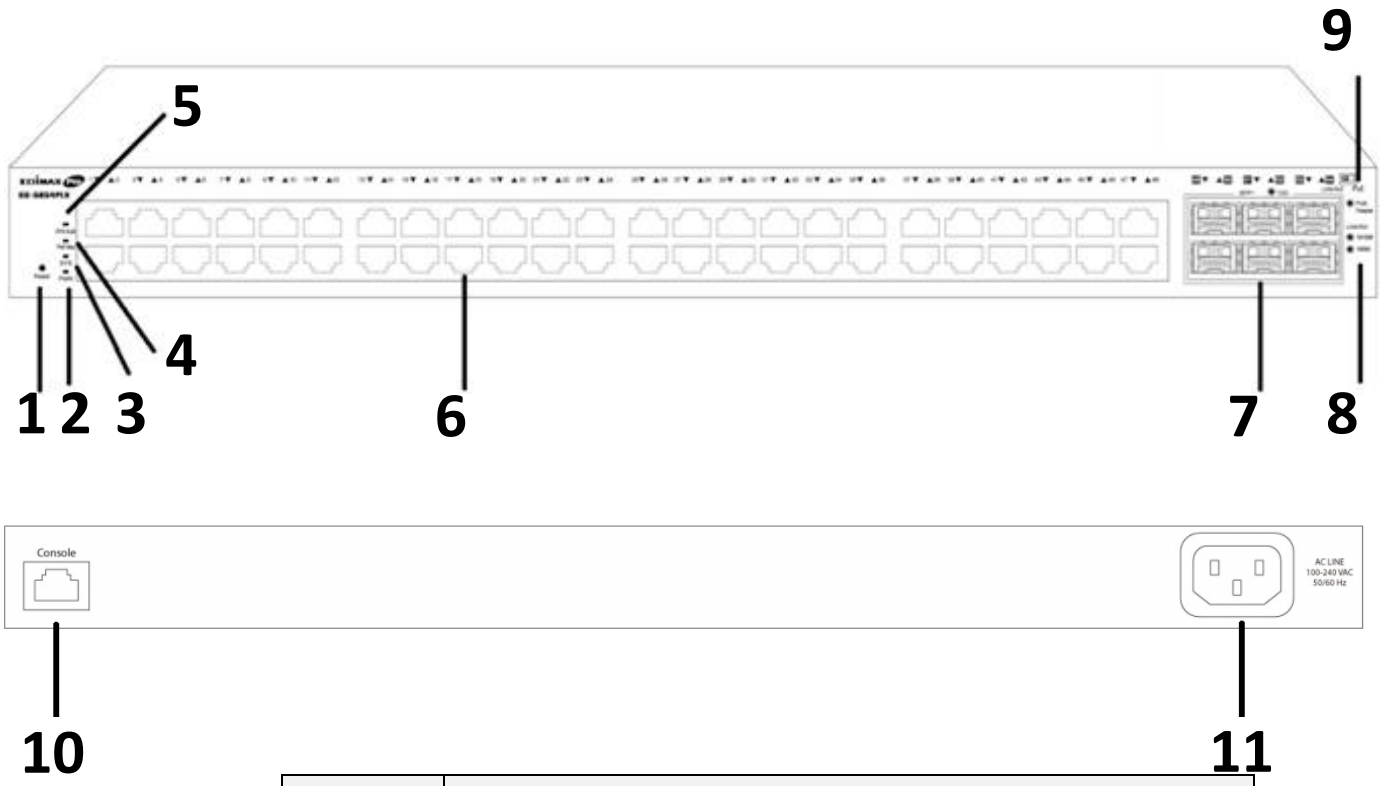
I-2 Hardware Overview

GS-5654LX:



No.	Descriptions
1	Reset Button
2	LED (PWR)
3	LED (SYS)
4	LED (SYS ALM)
5	PoE Ports (1~48)
6	SFP+ Port (49~54)
7	Fan
8	Console Port
9	Power Jack

GS-5654PLX:



No.	Descriptions
1	Reset Button
2	LED (PWR)
3	LED (SYS)
4	LED (PoE MAX)
5	LED (SYS ALM)
6	PoE Ports (1~48)
7	SFP+ Port (49~54)
8	LED (Link/Act)
9	LED Slide Switch (Link /Act or PoE Powered)
10	Console Port
11	Power Jack

I-3 LED Status

GS-5654LX:

Function	Status	Description
PWR	On (**Green**)	Power on
	Off	Power off
SYS ALM	On (**RED**)	System failure (Overheat, wrong voltage)
	Off	Device in good condition
SYS	On (**Green**)	Power on
	Off	Power off
	Blinking (**Green**)	System boot up
Link/ACT (1-48 port)	On (**Green**)	Link at 1000M
	Blinking (**Green**)	Sending or receiving data
	On (**Amber**)	Link at 10/100M
	Blinking (**Amber**)	Sending or receiving data
	Off	Port disconnected or link fail
SPF+ (49-54 port)	On (**Green**)	Link at 1000Mbps
	On (**Blue**)	Link at 10Gbps
	Blinking (**Green or Blue**)	Sending data
	Off	Port disconnected or link fail

GS-5654PLX:

Function	Status	Description
PWR	On (**Green**)	Power on
	Off	Power off
SYS ALM	On (**RED**)	System failure (Overheat, wrong voltage)
	Off	Device in good condition
SYS	On (**Green**)	Power on
	Off	Power off
	Blinking (**Green**)	System boot up
PoE Max	On (**Green**)	Over PoE max power
	Off	Not over PoE max power
Link/ACT (1-48 port)	On (**Green**)	Link at 1000M
	Blinking (**Green**)	Sending or receiving data
	On (**Amber**)	Link at 10/100M
	Blinking (**Amber**)	Sending or receiving data
	Off	Port disconnected or link fail
SPF+ (49-54 port)	On (**Green**)	Link at 1000Mbps
	On (**Blue**)	Link at 10Gbps
	Blinking (**Green** **or** **Blue**)	Sending data
	Off	Port disconnected or link fail
LED Slide Switch  Link/Act PoE	Left (**Link/Act**)	LAN port connection status
	Right (**PoE**)	PoE connection status
NOTE: LED Slide Switch: LAN Port status (Left side) or PoE status (Right side)		
Left (**Link/Act**) 1-48 Port	On (**Green**)	Link at 1000M
	Blinking (**Green**)	Sending or receiving data
	On (**Amber**)	Link at 10/100M
	Blinking (**Amber**)	Sending or receiving data
Right (**PoE**) 1-48 Port	On (**Green**)	Feeding power to PoE Devices
	Off	PoE function is not active

II Installation

This chapter describes how to install and connect your Edimax Switch. Read the following topics and perform the procedures in the correct order. Incorrect installation may cause damage to the product.

II-1 Mounting the Switch

There are two ways to physically set up the switch.

- Place the switch on a flat surface. To place the switch on a desktop, install the four rubber feet (included) on the bottom of the switch.
- Mount the switch in a standard rack (1 rack unit high).

II-1-1 Placement Tips

- Ambient Temperature — To prevent the switch from overheating, do not operate it in an area that exceeds an ambient temperature of 122°F (50°C).
- Air Flow — Be sure that there is adequate air flow around the switch.
- Mechanical Loading — Be sure that the switch is level and stable to avoid any hazardous conditions.
- Circuit Overloading — Adding the switch to the power outlet must not overload that circuit.

Follow these guidelines to install the switch securely.

- Put the switch in a stable place such as a desktop, to avoid it falling.
- Ensure the switch works in the proper AC input range and matches the voltage labeled.
- Ensure there is proper heat dissipation from and adequate ventilation around the switch.
- Ensure the switch's location can support the weight of the switch and its accessories.

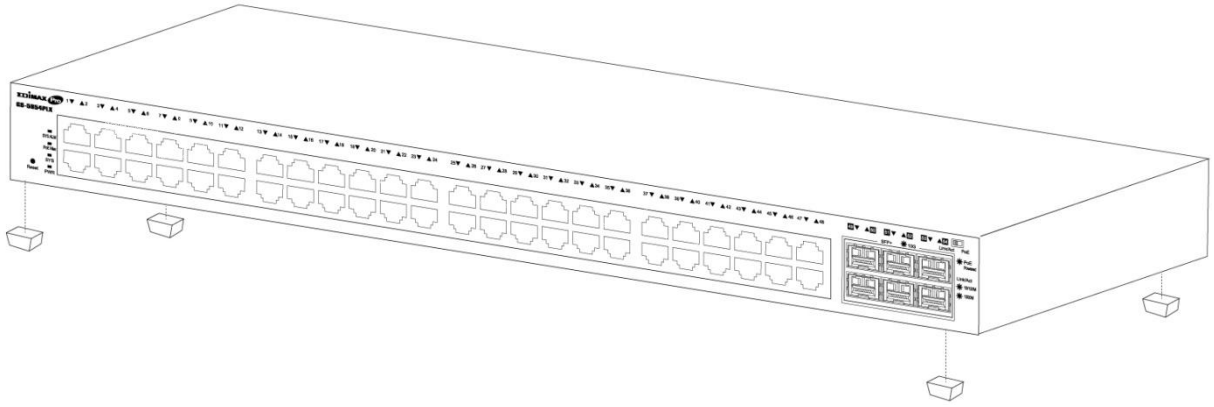


Figure 4 - Desktop Installation

II-1-2 Rack Mounting

You can mount the switch in any standard size, 19-inch (about 48 cm) wide rack. The switch requires 1 rack unit (RU) of space, which is 1.75 inches (44.45 mm) high.

For stability, load the rack from the bottom to the top, with the heaviest devices on the bottom. A top-heavy rack is likely to be unstable and may tip over.

When mounting smaller switch products into a standard 19-inch rack, a pair of extension brackets (sometimes referred to as ears) are needed to adapt the switch to the rack size.

These extension brackets are mounted on the switch using the screws provided in the kit, and have two holes that are used to then screw the switch into the rack.

An example of one type of these extension brackets is shown in the following figure.

A common problem that occurs during rack mounting is the distance between the screw holes on the rack. Some racks are made with a uniform distance between all of the holes, and others have the holes organized into groups (see photo on the next page for an example).

When organized into groups, the switch must be placed in the rack so that the holes in the extension brackets line up correctly.

1. Align the mounting brackets with the mounting holes on the switch's side panels and secure the brackets with the screws provided.

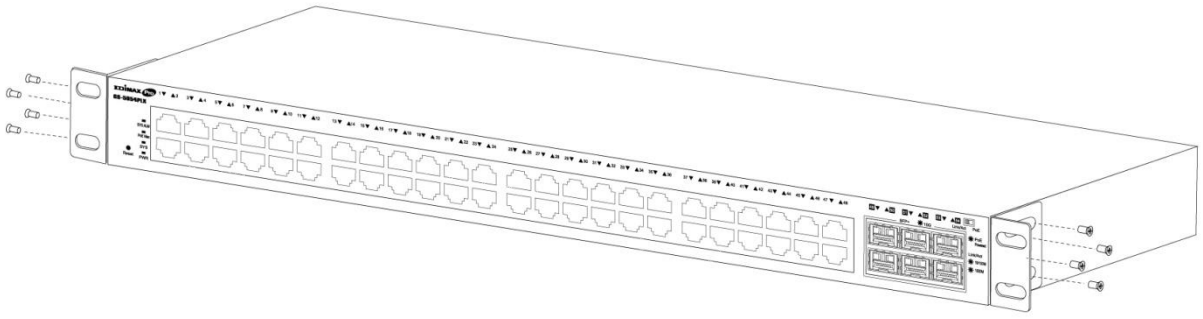


Figure 5 - Bracket Installation

2. Secure the switch on the equipment rack with the screws provided.

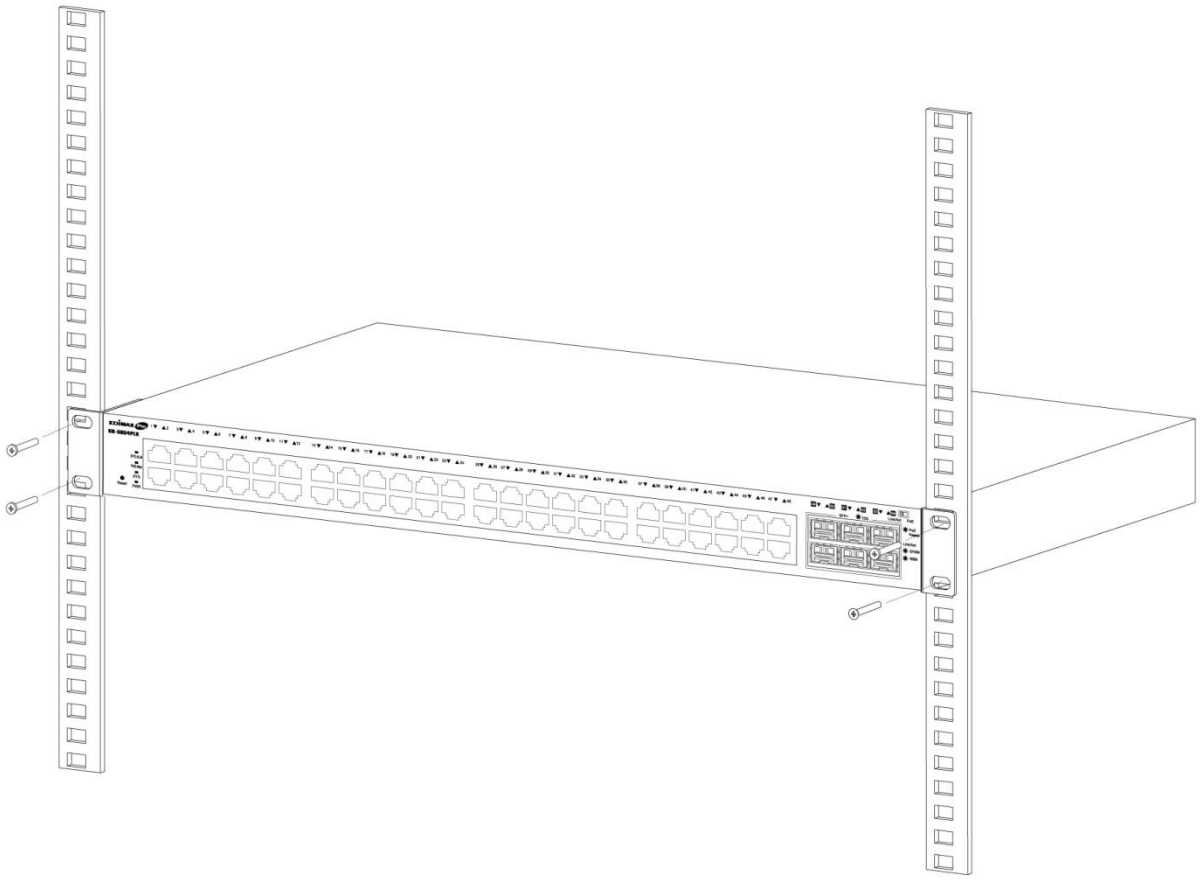


Figure 6 - Rack Installation

III Getting Started

This section provides an introduction to the web-based configuration utility, and covers the following topics:

- Powering on the device
- Connecting to the network
- Power over Ethernet (PoE) considerations
- Starting the web-based configuration utility

III-1 Power

III-1-1 Connecting to Power

Power down and disconnect the power cord before servicing or wiring a switch.

Do not disconnect modules or cabling unless the power is first switched off. The device only supports the voltage outlined in the type plate. Do not use any other power components except those specifically designated for the switch. Disconnect the power cord before installation or cable wiring.

The switch is powered by the AC 100-240 V 50/60Hz internal high-performance power supply. It is recommended to connect the switch with a single-phase three-wire power source with a neutral outlet, or a multifunctional computer professional source.
Connect the AC power connector on the back panel of the switch to the external power source with the included power cord, and check the power LED is on.

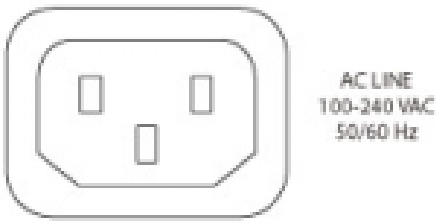


Figure 7 - Rear View AC Power Socket

III-1-2 Connecting to Network

To connect the switch to the network:

1. Connect an Ethernet cable to the Ethernet port of a computer.
2. Connect the other end of the Ethernet cable to LAN Port of the switch. The LED of the port lights if the device connected is active.
3. Connect an Ethernet cable to the IP Cameras

Connect the switch to end nodes using a standard Cat5e Ethernet cable to connect the switch to end nodes as shown in the illustration below.
Switch ports will automatically adjust to the characteristics (MDI/MDI-X, speed, duplex) of the device to which the switch is connected.

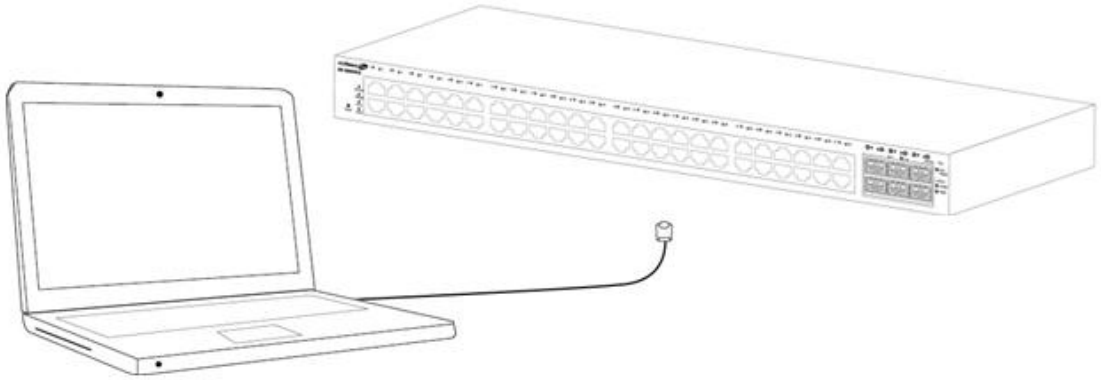


Figure 8 - PC Connect

III-1-3 Starting the Web-based Configuration Utility

This section describes how to navigate the web-based switch configuration utility.
Be sure to disable any 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.

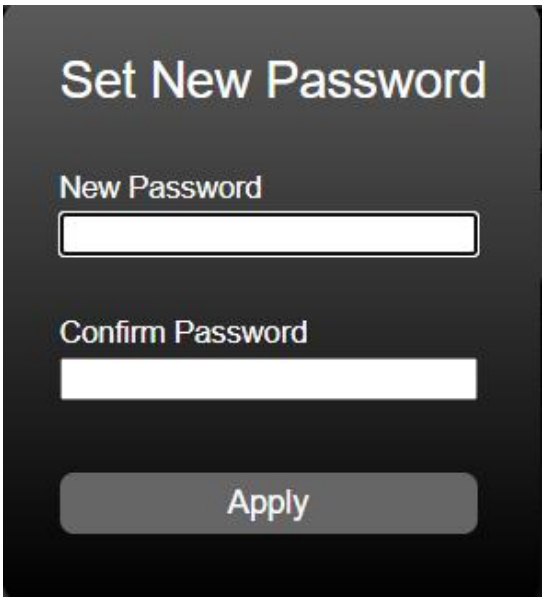
- If you have multiple IPv6 interfaces on your management station, use the IPv6 global address instead of the IPv6 link local address to access the device from your browser.

Launching the Configuration Utility

Open the web-based configuration utility:

1. Open a Web browser.
2. Enter the IP address of the device you are configuring in the address bar on the browser (factory default IP address is 192.168.2.1) and then press Enter.
3. The default username is "**admin"** and the default password is "**1234"**.

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



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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, 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 cerinţele esenţiale şi 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 requesitos essênciais 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 AT BE BG CZ DK DE EE IE EL ES FR HR IT CY LV LT LU HU MT NL PL PT RO SI SK FI SE UK UK(NI) TR IS LI NO CH RU UA

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: 54 Gigabit ports Web-Smart Switch with 6 SFP+ 10 Gigabit
Model No.: GS-5654LX

The following European standards for essential requirements have been followed:

Directives 2014/30/EU

EMC	:	EN 55032:2015+AC:2016
		EN 61000-3-2:2014
		EN 61000-3-3:2013
		EN 55035:2017
Safety (LVD)	:	EN 62368-1:2014+A11:2017

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Date & Place of Issue: 31/May/2022, Eindhoven
Signature:

Printed Name: David Huang
Title: Director

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Taipei City, Taiwan
Date & Place of Issue: 31/May/2022, Taipei
Signature:

Printed Name: Hunter Chen
Title: Director

CE

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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: 54 Gigabit PoE ports Web-Smart Switch with 6 SFP+ 10 Gigabit
Model No.: GS-5654PLX

The following European standards for essential requirements have been followed:

Directives 2014/30/EU

EMC	:	EN 55032:2015+AC:2016
		EN 61000-3-2:2014
		EN 61000-3-3:2013
		EN 55035:2017
Safety (LVD)	:	EN 62368-1:2014+A11:2017

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