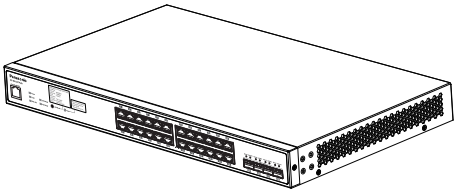


Quick Installation Guide

XG-MU24TPoE+

Model No. ZLP91249-IN



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Thank you for purchasing our product.

- Please read the Quick Installation Guide carefully to ensure safe and correct operation.
- Before use, be sure to read "Important safety Instructions".
- Any problems or damages resulting from disassembly of this Ethernet Switch by customers are not covered by the warranty.

Specifications

XG-MU24TPoE+ is an Ethernet Switch with management functions which has 24 ports compatible with 10/100/1000BASE-T, as well as 4 SFP+ extension ports. Ports 1 to 24 support IEEE802.3at/af PoE power supply function.

Interface	Twisted pair port 1-24: RJ45 connector	
	IEEE 802.3	10BASE-T
	IEEE 802.3u	100BASE-TX
	IEEE 802.3ab	1000BASE-T
	SFP+ extension port 25-28	
	IEEE 802.3z	1000BASE-SX/1000BASE-LX
	IEEE 802.3ae	10GBASE-SR/10GBASE-LR
	Console port: RJ45 connector	
Power supply function	Port 1 to 24 Support the IEEE802.3 at/af compatible power supply function. Maximum power supply: 30 W per port, 410 W in total.	
Management method	SNMP v1/v2c/c3, Telnet, SSH, Console, Web control screen	
Other	RSTP/MSTP, Port base VLAN, Voice VLAN Link aggregation Multicast (IGMP snooping) QoS (SP/WRR/SP+WRR) Authentication (IEEE802.1X) PoE auto reboot function (PD Lifeguard) Storm control, Access control	
Power supply/ consumption	AC 100-240 V, 50/60 Hz, 7.0 A Normally, Max. 514 W	
External dimensions/ Mass (Weight)	44 mm (Height) × 440 mm (Width) × 257 mm (Depth) (Excluding protruding sections) 3,800g	

Important Safety Instructions

This chapter contains important safety instructions for preventing bodily injury and/or property damage. Please read carefully, and follow them at all times.

- The following charts indicate the degree of damage caused by wrong operation.

	WARNING	Indicates serious injury or death.
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	CAUTION	Indicates risk of injury or property damage.
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- The symbols are classified and explained as follows.

	This symbol indicates prohibition.
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	This symbol indicates requirement that must be followed.
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WARNING

	● Do not use power supply other than AC 100 - 240 V. Deviation could lead to fire, electric shock, and/or equipment failure. ● Do not handle this Ethernet Switch and connection cables during a thunderstorm. Deviation could lead to electric shock. ● Do not disassemble and/or modify this Ethernet Switch. Deviation could lead to fire, electric shock, and/or equipment failure. ● Do not unplug nor plug in the power plug with wet hands. Deviation could lead to electric shock, and/or equipment failure. ● Do not insert, or drop foreign objects such as metal or combustible things into Ethernet Switch through the openings, twisted pair ports, console port and SFP+ extension ports. Deviation could lead to fire, electric shock, and/or equipment failure. ● Do not store or use the Ethernet Switch in places where it might get splashed with liquids such as water, in places with high humidity, with conductive dust, or in places where there are corrosive and combustible gases. Deviation could lead to fire, electric shock, and/or equipment failure. ● Do not store or use the Ethernet Switch in places where it will be exposed to direct sunlight or high temperatures. The temperature inside will rise, which may cause fire.
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WARNING

	● Do not store or use the Ethernet Switch in places where there are lots of vibrations and impacts, or in unstable areas. It might fall, which may cause injuries and/or equipment failure. ● Do not insert any modules other than the optional SFP+ modules into the SFP+ extension port. Deviation could lead to fire, electric shock, and/or equipment failure.
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CAUTION

	● Use the bundled power cord (AC 100 – 240 V specifications). Deviation could lead to electric shock, malfunction, and/or equipment failure. ● Unplug the power cord in case of equipment failure. Deviation, such as keep connecting for a long time, could lead to fire. ● Connect the power cord firmly to the power port. Otherwise this might cause electrical shocks, and malfunction. ● Unplug the power cord if the Fault LED Lights in orange (system fault). Deviation, such as keeping connected for a long time, could lead to fire. ● Handle the Ethernet Switch carefully so that fingers or hands may not be damaged by twisted pair port, SFP+ extension port, or console port. ● When using this Ethernet Switch for applications which require extremely high reliability, be careful to expend all possible means to ensure safety and reliability. This Ethernet Switch is not designed nor manufactured with the intention that it be used for applications (in use with railways, aviation, and medical care, etc. where the influence rate due to communication failures is extremely high in regard to systems that directly affect systems and human lives) which require extremely high reliability. ● Be aware of glitches which are caused in the usage environments such as age-related degradation, etc. This may vary depending upon conditions such as utilisation rates and usage environments, but performance might decrease due to the age-related degradation, etc. of components. It is recommended that this Ethernet Switch be replaced about five years after it was installed.
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CAUTION

	● Be careful in regards to environmental restrictions whereby the Ethernet Switch can be used. Please isolate the business power lines and communication lines. Isolate distribution lines and other distribution lines, and low current power lines, optical fiber cables, metallic water conduits, and gas conduits, etc. Noise may be generated in the communication lines which might cause communication glitches. ● To connect a power receiving equipment supporting IEEE802.3at to this Ethernet Switch, use a cable rated Cat5e or higher. Using other cables may result in heat generation, ignition, and/or equipment failure.
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Note on Use

For inspection and/or repair, consult the technical support.

- Use commercial power supply from a wall socket, which is close and easily accessible to this Ethernet Switch.
- Unplug the power cord when installing or moving this Ethernet Switch.
- Unplug the power cord when cleaning this Ethernet Switch.
- Use this Ethernet Switch within the specifications. Deviation could lead to malfunction.
- Do not touch the twisted pair cable modular metal terminals which are connected to RJ45 connectors (twisted pair ports) or the connectors, nor place them near electrically-charged objects. Static electricity could lead to equipment failure.
- Before connecting a console cable to the console port, discharge static electricity, for example by touching metal appliance (do not discharge by touching this Ethernet Switch).
- Please use this Ethernet Switch in place where ambient temperature is from 0 to 50°C.
* If it is used beyond the operating environmental temperatures, then the protective devices will start working and the Ethernet Switch power will be shut off.
- Do not block the ventilator of the Ethernet Switch. Blocked ventilator induces the heat accumulation inside, causing equipment failure and/or malfunction.
- When mounting Ethernet Switches to rack, leave a minimum of 20 mm space between them.

Accessories

Please be sure to confirm the content.

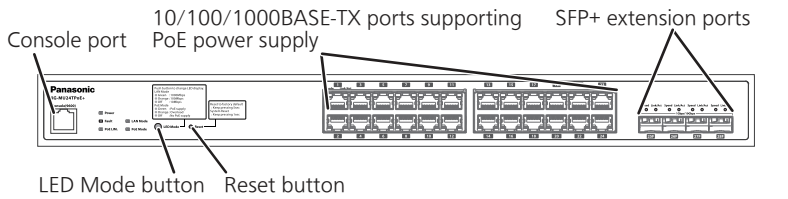
Please contact our distributor if any of the contents are insufficient.

- Rubber foot (4pcs)
- Rack mount brackets (for 19-inch rack) (2pcs)
- Screw (for 19-inch rack) (4pcs)
- Screw (for fixing the mount brackets to the Ethernet Switch) (8pcs)
- Power cord (1pcs)

[Optional accessories]

- PN54022-IN 1000BASE-SX SFP Module(i)
- PN54024-IN 1000BASE-LX SFP Module(i)
- ZLP59022-IN 10GBASE-SR SFP+ Module(i)
- ZLP59024-IN 10GBASE-LR SFP+ Module(i)

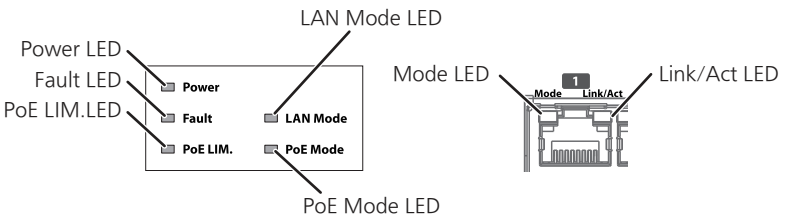
Part Names



- **Power port**
Connect the supplied power cord to this port and connect the other end into an electric outlet.
- **10BASE-T/100BASE-TX/1000BASE-T ports supporting PoE power supply (ports 1–24)**
A PoE power supply which is IEEE802.3at/af compatible is usable. 10BASE-T/100BASE-TX/1000BASE-T terminals, hubs, repeaters, bridges, Ethernet Switches, etc. are connectable. Lay out the twisted pair cables (CAT5e or higher) so that the cable lengths fit within 100 m
- **SFP+ extension ports (port 25-28)**
An SFP or SFP+ module can be connected. SFP+ port supports only the full duplex communication.
- **Console port (Transmission speed : 9,600 bps)**
Connect a VT100 compatible terminal, etc. with this port to configure or manage this Ethernet Switch.

	LED Mode		Reset
● To switch the LED Mode Press and keep for 1 sec		● To do a factory reset Press and keep for 5 sec	
		● To reset the system Press and keep for 1 sec	

LED Functions



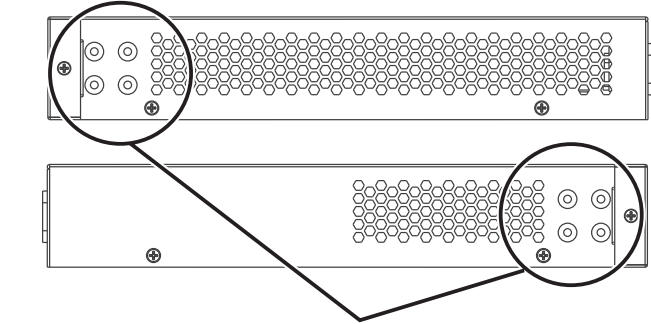
- **Power LED**
Green Light : After system boot.
Green Blink : System boot.
Off : Power OFF.
- **Fault LED**
Orange Light : Any fault.
Off : Normal.
- **PoE LIM. LED**
Orange Light : The total power supply of the Ethernet Switch is exceeding 410 W.
Off : System still has spare power for new PD.
- **LAN Mode LED**
Green Light : Operating in LAN Mode.
- **PoE Mode LED**
Green Light : Operating in PoE Mode.
- **Mode LED (LAN Mode)**
Green Light : Link is established at 1000Mbps.
Orange Light : Link is established at 100Mbps.
Off : Link is established at 10Mbps.
- **Mode LED (PoE Mode)**
Green Light : PoE are being supplied power.
Orange Light : Single port overload.
Off : Power is not being supplied, or the PoE receiving equipment are not connected.
- **Link/Act LED**
Green Light : Link is established.
Green Blink : Transmitting and receiving data.
- **Speed LED**
Green Light : Link is established at 10Gbps.
Orange Light : Link is established at 1000Mbps.

Installation

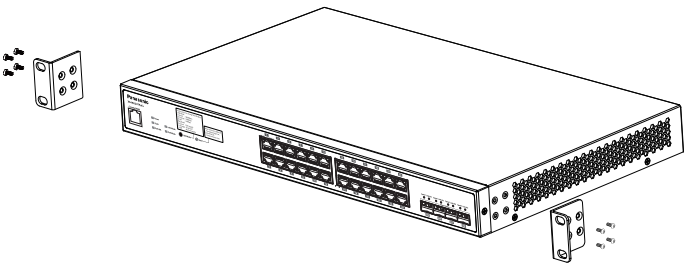
Installation in a 19-inch rack

Use the two 19-inch rack mount brackets and eight screws (for fixing the rack mount brackets to the Ethernet Switch) supplied with the mount brackets to fix the mount brackets to the four holes on each side of the Ethernet Switch.

Then securely install the Ethernet Switch onto the rack using the four screws (for a 19-inch rack mount) supplied with the mount brackets or the screws supplied with the rack.



Screw holes for fixing the 19-inch rack mount brackets



Notes

Information

Information on hazardous constituents as specified in sub-rule1 of rule16 in electrical and electronic equipment.
Declaration of Conformity with the requirements of the E-Waste (Management) Amendment Rules, 2023 with the sub-rule1 of rule16 limits with respect to Lead, Mercury, Cadmium, Hexavalent chromium, Polybrominated biphenyls, Polybrominated diphenyl ethers.
The content of hazardous substance with the exemption of the applications listed in SCHEDULE II of the E-Waste (Management) Amendment Rules, 2023:

1. Lead (Pb) – not over 0.1% by weight.
2. Cadmium (Cd) – not over 0.01% by weight.
3. Mercury (Hg) – not over 0.1% by weight.
4. Hexavalent chromium (Cr6+) – not over 0.1% by weight.
5. Polybrominated biphenyls (PBBs) – not over 0.1% by weight.
6. Polybrominated diphenyl ethers (PBDEs) – not over 0.1% by weight.

 For the purpose of recycling to facilitate effective utilization of resources, please return this product to a nearby authorized collection center, registered dismantler of recycler, or Panasonic service center when disposing of this product.

Customer care number (Toll free) : 1800 103 1333, 1800 108 1333

Please see the Panasonic website for further information on collection centers, etc. or call the customer care toll-free number

<https://www.panasonic.com/in/corporate/e-waste-management.html>

Do's & Don't		
S.No.	Do's	Don't
1	All electrical and electronic products are required to be handed over only to the Authorized recycler.	The product should not be opened by the User himself/herself, but only by authorized service personnel.
2	The product should be handed over only to authorized recycler for disposal.	The product is not meant for re-sale to any unauthorized agencies/ scrap dealer/kabari-walas.
3	Keep the product in isolated area, after it becomes non-function/ un-repairable so as to prevent its accidental breakage.	The product is not meant for mixing into house-hold waste stream.
4	Refer to operating instruction for handling of End-of Life products.	Do not keep any replaced spare part(s) from the product in exposed area.
5	Always dispose products that have reached end-of life at Panasonic Life Solutions India Authorized Service Centre.	Do not donate old electronic items to any body. Do not dispose your product in garbage bins along with municipal waste that ultimately reaches landfill.
6	Wherever possible or as instructed, separate the packaging material according to responsible waste disposal options and sorting for recycling.	Do not give e-waste to informal and unorganized sectors like Local Scrap Dealer/Rag Pickers.

Technical Support

Panasonic Life Solutions India Pvt. Ltd.,
12th Floor, Ambience Tower, Ambience Island, NH-48,
Gurugram – 122 002, Haryana.

In case of consumer complaints contact:
Customer Care Executive
3rd Floor, B Wing, I-Think Techno Campus, Pokharan Road No.2,
Thane (W) – 400 607, Maharashtra.

Customer care no.: 022-41304130, WhatsApp no.: 91360 28606
Email : wecare@in.panasonic.com