LANCOM GS-4554XP Fully Managed Multi Gigabit Access Switch User Guide

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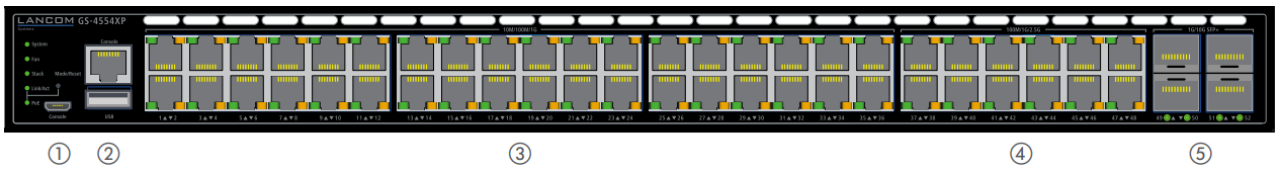
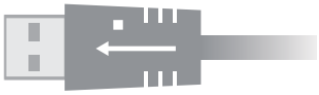
Contents

MOUNTING AND CONNECTING THE DEVICE



1. **Configuration interfaces RJ-45 & micro USB (Console)**
   Connect the configuration interface via the included micro USB cable to the USB interface of the device you want to use for configuring / monitoring the switch. Alternatively, use the RJ-45 interface with the provided serial configuration cable.

2. **USB interface**

Connect a USB stick to the USB interface to store general configuration scripts or debug data. You can also use this interface to upload a new firmware. 

3. **TP Ethernet interfaces 10M / 100M / 1G**

   Connect the interfaces 1 to 36 via Ethernet cable to your PC or a LAN switch.

4. **TP Ethernet interfaces 100M / 1G / 2.5G**

   Connect the interfaces 37 to 48 via Ethernet cable with at least CAT5e / S/ FTP standard to your PC or a LAN switch. 

5. **SFP+ interfaces 1G / 10G**

   Insert suitable LANCOM SFP modules into the SFP+ interfaces 49 to 52. Choose cables which are compatible with the SFP modules and connect them as described in the SFP modules mounting instructions: **www.lancom-systems.com/SFP-module-MI.**

6. **OOB interface (rear panel)**

   Use an Ethernet cable to connect this out-of-band service port for an IP interface independent of the switching plane for management tasks or connection to a monitoring server.

7. **QSFP+ interfaces 40G (rear panel)**

   Plug suitable LANCOM QSFP+ modules into the QSFP+ interfaces 53 and 54. Select cables suitable for the QSFP+ modules and connect them as described in the SFP modules mounting instructions: www.lancom-systems.com/SFP-module-MI.

8. **Power connector (rear panel)**

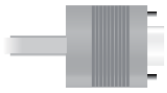
   Supply power to the device via the power connector. Please use the IEC power cable supplied or a country-specific LANCOM Power Cord.

9. **Additional slot for power supply module with mains connection socket (rear panel)**

   To install an additional power supply module, remove the appropriate module slot cover by loosening both associated screws and insert the power supply module.

   Supply the device with voltage via the power supply module mains connector. Use the supplied power cord (not for WW devices) or a country-specific LANCOM Power Cord.

   To remove a power supply module, disconnect the device from the power supply and pull the power plug out of the module. Then push the release lever ⑩ to the left. Now you can pull the module out of the device by the handle ⑪.



Safety Instruction

Please observe the following when setting up the device

- The mains plug of the device must be freely accessible.
- For devices to be operated on the desktop, please attach the adhesive rubber footpads.
- Do not rest any objects on top of the device and do not stack multiple devices.
- Keep the ventilation slots on the side of the device clear of obstruction.
- Mount the device into a 19” unit in a server cabinet using the provided screws and mounting brackets. Both slide-in rails are attached as shown in the accompanying installation instructions www.lancom-systems.com/slide-in-MI.
- Please note that support for third-party accessories (SFP and DAC) is not provided.

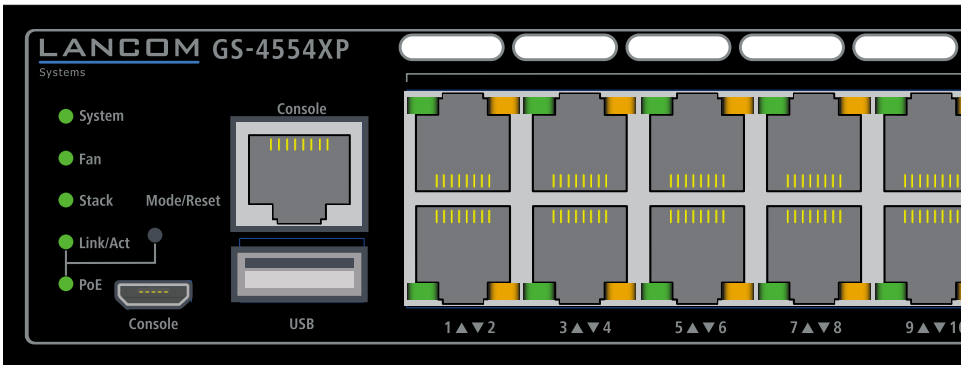
Before initial startup, please make sure to take notice of the information regarding the intended use in the enclosed installation guide! Operate the device only with a professionally installed power supply at a nearby power socket that is freely accessible at all times.

TECHNICAL DATA

System / **Fan** / **Stack** / **Link/Act** / **PoE**

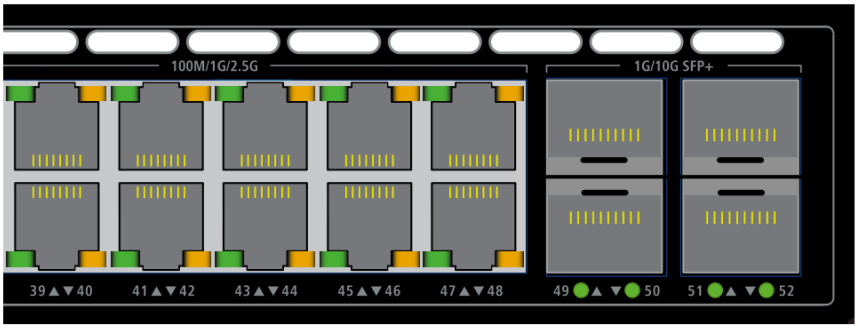
System: green	Device operational
System: red	Hardware error
Fan: red	Fan error
Stack: green	As manager: port activated and connected with standb y manager connected
Stack: orange	As standby manager: port activated and connected to connected manager
Link/Act: green	Port LEDs show link / activity status
PoE: green	Port LEDs show PoE status
Mode / Reset button	
Short press	Switching the port LED display
~5 sec. pressed	Device restart
7~12 sec. pressed	Configuration reset and device restart
TP Ethernet ports 10M / 100M / 1G	
LEDs switched to Link/Act mode Off	Port inactive or disabled

Green	
Green, blinking	
Orange	
Orange, blinking	
LEDs switched to PoE mode Off	Port inactive or disabled
Green	Port enabled, power supply to connected device
Orange	Hardware error



TP Ethernet ports 100M / 1G / 2.5G	
LEDs switched to Link/Act/Speed mode Off	Port inactive or disabled

Green	Link 2500 – 1000 Mbps
Green, blinking	Data transfer, link 2500 – 1000 Mbps
Orange	Link < 1000 Mbps
Orange, blinking	Data transfer, link < 1000 Mbps
LEDs switched to PoE mode Off	Port inactive or disabled
Green	Port enabled, power supply to connected device
Orange	Hardware erro
SFP+ ports 1G / 10 G	
Off	Port inactive or disabled
Green	Link 10 Gbps
Green, blinking	Data transfer, link 10 Gbps
Orange	Link 1 Gbps
Orange, blinking	Data transfer, link 1 Gbps



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OOB port	
Off	OOB port inactive
Green	Link 1000 Mbps
QSFP+ ports 40 G	
Off	Port inactive or disabled
Green	Link 40 Gbps
Green, blinking	Data transfer, link 40 Gbps

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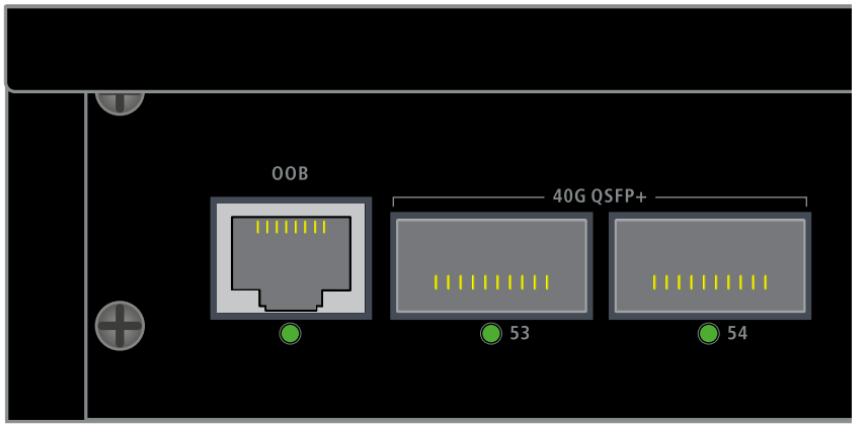

Hardware	
Power supply	Exchangeable power supply (110-230 V, 50-60 Hz)
Power consumption	Max. 1650 W
Environment	Temperature range 0–40° C; short-term temperature r ange 0-50° C; humidity 10–90 %, non-condensing
Housing	Robust metal housing, 1 HU with removable mounting brackets and slide-in rails, network connections at fron t and rear, dimensions 442 x 44 x 440 mm (W x H x D)
Number of fans	2
Interfaces	
QSFP+	2 * QSFP+ 40 Gbps uplink ports for connection to sup erordinate core switches or content servers, can also be configured as stacking ports via software
TP Ethernet	36 TP Ethernet ports 10 / 100 / 1000 Mbps 12 TP Ethe rnet ports 100 / 1000 / 2500 Mbps
SFP+	4 * SFP+ 1 / 10 Gbps, uplink ports for connection to su perordinate core switches or content servers, can also be configured as stacking ports via software

Console	1 * RJ-45 / 1 * Micro USB
USB	1 * USB host
OOB	1 * OOB
Declaration of Conformity	
Hereby, LANCOM Systems GmbH | Adenauerstrasse 20/B2 | D-52146 Wuerselen, declares that this device is in compliance with Directives 2014/30/EU, 2014/35/EU, 2011/65/EU, and Regulation (EC) No. 1907/2006. The full text of the EU Declaration of Conformity is available at the following Internet address: **www.lancom-systems.com/doc**	
Package Content	
Manual	Quick Reference Guide (DE/EN), Installation Guide (DE/EN)
Mounting brackets	Two 19“ mounting brackets, two slide-in rails for rear stabilization in 19“ racks
Power supply	1x exchangeable power supply LANCOM SPSU-920 (expandable to 2 exchangeable power supplies for redundancy operation)
Cables	1 IEC power cord, 1 serial configuration cable, 1 micro USB configuration cable

Documents / Resources

	LANCOM GS-4554XP Fully Managed Multi Gigabit Access Switch [pdf] User Guide GS-4554XP, Fully Managed Multi Gigabit Access Switch, GS-4554XP Fully Managed Multi Gigabit Access Switch, Multi Gigabit Access Switch, Gigabit Access Switch, Access Switch

References

- DoC - LANCOM Systems GmbH
- lancom-systems.com/SFP-module-MI
- lancom-systems.com/slide-in-MI