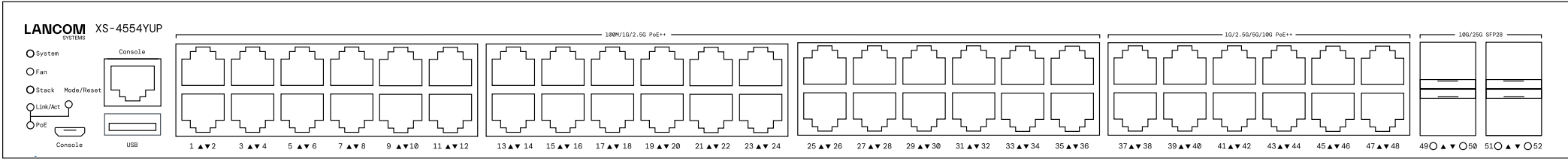
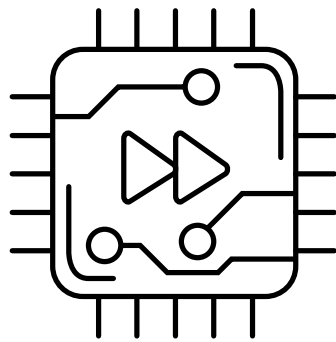


Hardware Quick Reference

LANCOM XS-4554YUP



- 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 100M / 1G / 2.5G PoE++**
Connect the interfaces 1 to 36 via Ethernet cable to your PC or a LAN switch.

④ **TP Ethernet interfaces 1G / 2.5G / 5G 10G PoE++**
Connect the interfaces 37 to 48 via Ethernet cable with at least CAT6a / CAT7 standard to your PC or a LAN switch.

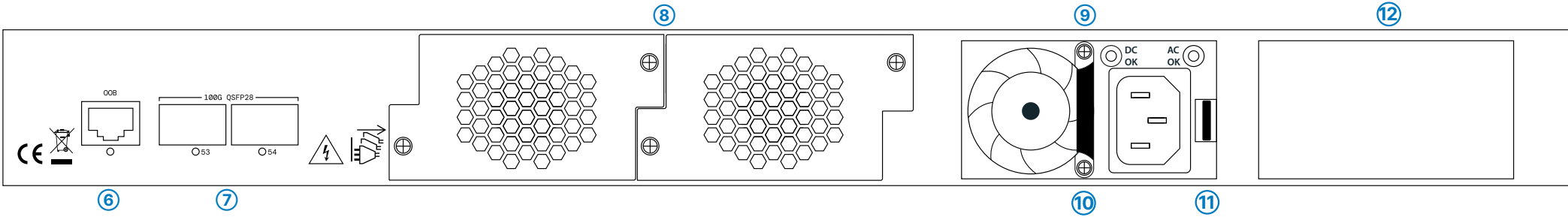
⑤ **SFP28 interfaces 10G / 25G**
Insert suitable LANCOM SFP modules into the SFP28 interfaces 49 to 52. Choose cables which are compatible with the SFP modules and connect them as described in the SFP modules mounting instructions: www.lancom-systems.com/SFP-module-MI.
- ⑥ **OOB interface (rear panel)**
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 **QSFP28 interfaces 40G / 100G (rear panel)**
Plug suitable LANCOM QSFP modules into the QSFP28 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 **2 slots for fan modules**
To remove a fan module in case of defect, loosen the two knurled screws of the module and remove the module from the plug-in unit. To install a new fan module, push it into the corresponding slot. Fasten the module to the switch housing with the knurled screws. Please note that a defective fan should be replaced within 48h.

⑨ **Power supply module with mains connection socket (rear panel).**
Supply the device with power via the power supply socket of the power supply module. Use the supplied power cord or a country-specific LANCOM power cord.

⑩ **Additional slot for power supply module with mains connection socket (rear panel).**
To install an additional power supply module, remove the corresponding module bay cover by loosening both associated screws and push the power supply module in as far as it will go until the release lever ⑪ audibly engages. Check by pulling the handle ⑩ that the module cannot be removed from the bay without the release lever ⑪ being pressed to the left.



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.

The power plug of the device must be freely accessible.

Please note that support for third-party accessories (SFP and DAC) is not provided.

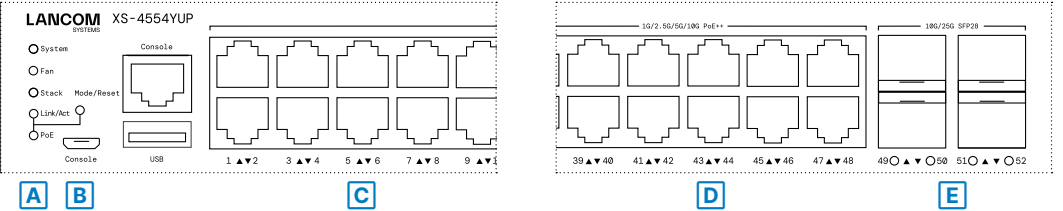


Please observe the following when setting up the device

- 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 all ventilation slots clear of obstruction.
- Mount the device into a 19" unit in a server cabinet using the provided screws and mounting brackets.

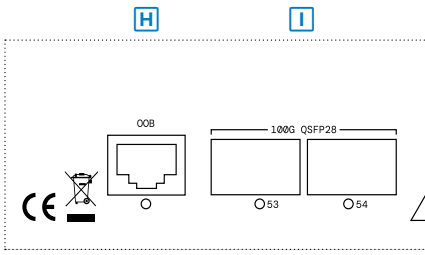
Both slide-in rails are attached as shown in the accompanying installation instructions www.lancom-systems.com/slide-in-MI.

Mounting & connecting



A System / Fan / Stack / Link/Act / PoE	D TP Ethernet ports 1G / 2.5G / 5G / 10G PoE++
System: green Device operational	LEDs switched to Link/Act/Speed mode
System: red Hardware error	Off Port inactive or disabled
Fan: red Fan error	Green Link 10 Gbps
Stack: green As manager: port activated and connected with standby manager connected	Green, blinking Data transfer, link 10 Gbps
Stack: orange As standby manager: port activated and connected to connected manager	Orange Link < 10 Gbps
Link/Act: green Port LEDs show link / activity	Orange, blinking Data transfer, link < 10 Gbps
PoE: green Port LEDs show PoE status	LEDs switched to PoE mode
B Mode / Reset button	Off Port inactive or disabled
Short press Switching the port LED display	Green Port enabled, power supply to connected device
~ 5 seconds pressed Device restart	Orange Hardware error
Pressed until all port LEDs glow Configuration reset and device restart	E SFP28 ports 10G / 25G
C TP Ethernet ports 100M / 1G/ 2.5G PoE++	Off Port inactive or disabled
LEDs switched to Link/Act mode	Blue Link 25 Gbps
Off Port inactive or disabled	Blue, blinking Data transfer, link 25 Gbps
Green Link 2,500 Mbps	Green Link < 25 Gbps
Green, blinking Data transfer, link 2,500 Mbps	Green, blinking Data transfer, link < 25 Gbps
Orange Link < 2,500 Mbps	F G Power supply unit (rear panel)
Orange, blinking Data transfer, link < 2,500 Mbps	DC OK: green, blinking Secondary power supply OK
LEDs switched to PoE mode	DC OK: red, blinking Secondary power supply failure
Off Port inactive or disabled	AC OK: green, blinking Primary power supply OK
Green Port enabled, power supply to connected device	AC OK: red, blinking Primary power supply failure
Orange Hardware error	H OOB port (rear panel)
	Off OOB port inactive
	Green Link 1000 Mbps
	I QSFP28 ports 40G / 100G (rear panel)
	Off Port inactive or disabled
	Green Link 100 Gbps
	Green, blinking Data transfer, link 100 Gbps
	Orange Link 40 Gbps
	Orange, blinking Data transfer, link 40 Gbps

Hardware	
Power supply	Exchangeable power supply (110-230 V, 50-60 Hz)
Environment	Temperature range 0-40° C; short-term temperature range 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 front and rear, dimensions 442 x 44 x 440 mm (W x H x D)
Number of fans	2
Interfaces	
QSFP28	2 QSFP28 40 / 100 Gbps uplink ports for connection to superordinate core switches or content servers, can also be configured as stacking ports via software
SFP28	4 SFP28 10 / 25 Gbps, uplink ports for connection to superordinate core switches or content servers, can also be configured as stacking ports via software
TP Ethernet	36 TP Ethernet ports 100 / 1,000 / 2,500 Mbps PoE++ 12 TP Ethernet ports 1,000 / 2,500 / 5,000 / 10,000 Mbps PoE++
Console	1 RJ-45 / 1 Micro USB
USB	1 USB host
OOB	1 OOB
Package Content	
Mounting brackets	2 19" mounting brackets, 2 slide-in rails for rear stabilization in 19" racks
Power supply	1 exchangeable power supply LANCOM SPSU-920, expandable to 2 LANCOM SPSU-920 power supplies (hot swappable, for redundancy operation)
Fan modules	2 fan modules LANCOM SFAN-XS6, already mounted
Cables	1 IEC power cord, 1 serial configuration cable, 1 micro USB configuration cable



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