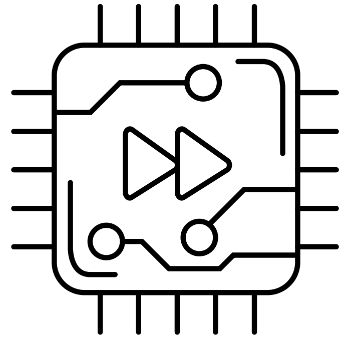
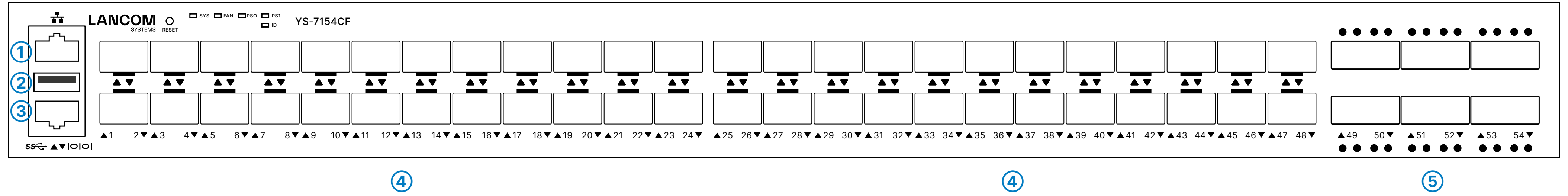
Hardware Quick Reference

LANCOM YS-7154CF

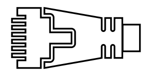


LANCOM SYSTEMS

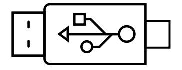
Cloud-ready



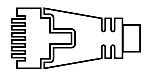
① OOB management interface
Use an Ethernet cable to use this out-of-band service port for an IP interface independent of the switching plane for management tasks or connection to a monitoring server. In particular, this port can be used as a VPC-keepalive link (split-brain detection).



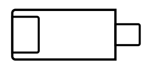
② USB interface
Connect a USB stick to the USB interface to store general configuration scripts or debug data. You can also use this interface to upload a new firmware.



③ Serial configuration interface (Console)
Connect the configuration interface to the USB interface of the device you want to use for configuring / monitoring the switch using the serial configuration cable supplied.



④ SFP28 interfaces 1G / 10G / 25G
Insert suitable LANCOM transceiver modules into the SFP28 interfaces 1 to 48. Choose cables which are compatible with the transceiver modules and connect them as described in the transceiver modules mounting instructions:
lancom-systems.com/transceiver-modules-mi.



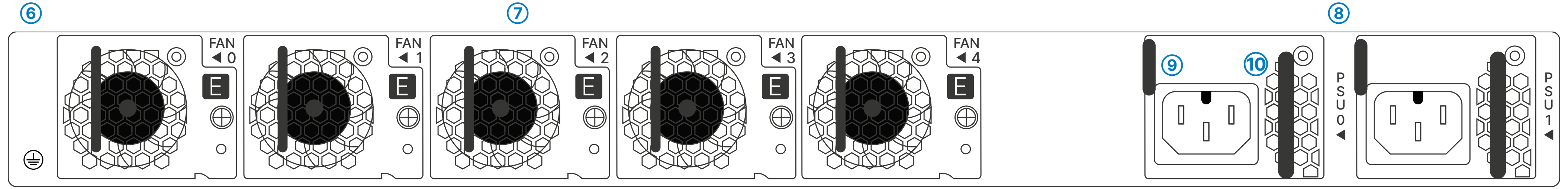
⑤ QSFP28 interfaces 40G / 100G
Insert suitable LANCOM transceiver modules into the QSFP28 interfaces 49 to 54. Choose cables which are compatible with the transceiver modules and connect them as described in the transceiver modules mounting instructions:
lancom-systems.com/transceiver-modules-mi.

⑥ Grounding connector (rear panel)
Use the enclosed grounding bracket with screw to secure the switch against ground.

⑦ 5 slots for fan modules (rear panel)
To remove a fan module in case of defect, loosen the knurled screw 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 screw. Please note that a defective fan should be replaced within 48h.

⑧ 2 slots for power supply modules (rear panel)
Supply the device with power via the power supply sockets of the power supply modules. Use the supplied power cords or a country-specific LANCOM Power Cord.

To remove the power supply module, disconnect the module from the power supply and then pull the plug out of the module. While pressing the release lever ⑨ to the left, you can pull the module out of the device by the handle ⑩.



Before initial startup, please make sure to take notice of the information regarding the intended use in the enclosed installation guide!

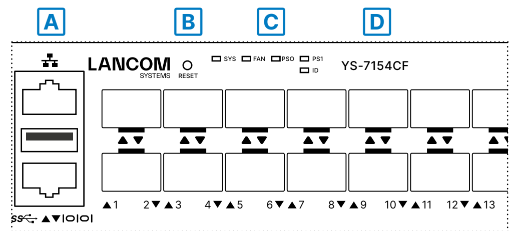
Operate the device only with a professionally installed power supply at a nearby power socket that is freely accessible at all times.

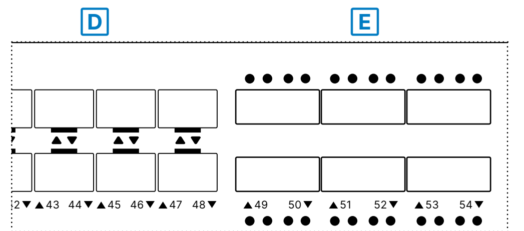
All power plugs of the device must be freely accessible.

Please note that support for third-party accessories is not provided.

Please observe the following when setting up the device
→ 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 OOB management port LEDs

Left LED	
Off	No power
Green	Link available, no data traffic
Green, blinking	Data transmission 1 Gbps
Right LED	
Off	No power
Orange	Link available, no data traffic
Orange, blinking	Data transmission 10 / 100 Mbps

B RESET button

Short press	Switching the port LED display
3 - 10 seconds pressed	Device restart
Longer than 10 seconds pressed	Configuration reset and device restart

C SYS / FAN / PS0 / PS1 / ID

SYS: off	No power
SYS: green, blinking	Host CPU/BMC boot in progress
SYS: green	Host CPU/BMC boot complete
FAN: off	Fans not initialized
FAN: green	All fans working normally
FAN: orange, blinking	Fan failure: maintenance required
PS0 / PS1: off	No power
PS0 / PS1: green	PSU working normally
PS0 / PS1: orange, blinking	PSU failure: maintenance required
ID: off	Switch runs as a stand-alone device without stacking
ID: blue, blinking	Switch in stacking mode

D SFP28 ports 1G / 10G / 25G

Off	Port inactive or disabled
Blue	Link 25 Gbps
Blue, blinking	Data transfer, link 25 Gbps
Green	Link < 25 Gbps
Green, blinking	Data transfer, link < 25 Gbps

E QSFP28 ports 40G / 100G (4 LEDs per port)

Off	Port inactive or disabled
All 4 LEDs green	Link 100 Gbps
All 4 LEDs green, blinking	Data transfer, link 100 Gbps
All 4 LEDs orange	Link 40 Gbps
All 4 LEDs orange, blinking	Data transfer, link 40 Gbps

F Power supply unit (rear panel)

Off	No input power to all power supplies
Green	Output ON and OK
Green, blinking (1/sec)	PSU standby state input power present / Only +5VSB on.
Green, blinking (2/sec)	Power supply firmware updating (boot-loader mode).
Red	Power supply critical event causing a shutdown, failure, over current, short circuit, over voltage, fan failure, and/or over temperature
Red/green, blinking	Power supply warning events where the power supply continues to operate; high temperature, high power, high current, and/or slow fan.

G Fan module (rear panel)

Off	No input power
Green	Fan function OK
Orange, blinking	Fan function abnormal, service required

LED description & technical details

Hardware

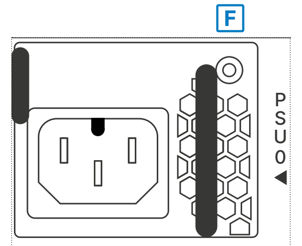
Power supply	Exchangeable power supply modules (110-230 V, 50-60 Hz)
Environment	Temperature range 0–45° C; humidity 10–90 %, non-condensing
Housing	Robust metal housing, 1 HU with removable mounting brackets and slide-in rails, network connections at front and rear, dimensions 442 × 43.8 × 440 mm (W x H x D)
Number of fans	5

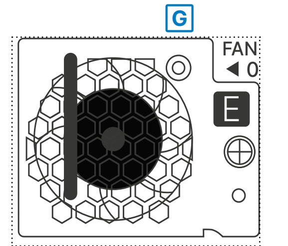
Interfaces

QSFP28	6 QSFP28 40 / 100 Gbps ports
SFP28	48 SFP28 1 / 10 / 25 Gbps ports
OOB Management	1 RJ-45
USB	1 USB host
Console	1 RJ-45

Package content

Mounting brackets	2 19" mounting brackets, 2 slide-in rails for rear stabilization in 19" racks
Power supply	2 exchangeable power supply modules LANCOM SPSU-400 (hot swappable, for redundancy operation)
Fan modules	5 fan modules LANCOM SFAN-YS7, already mounted
Cables	2 IEC power cords, 1 serial configuration cable
Grounding material	1 grounding bracket incl. screw





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

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