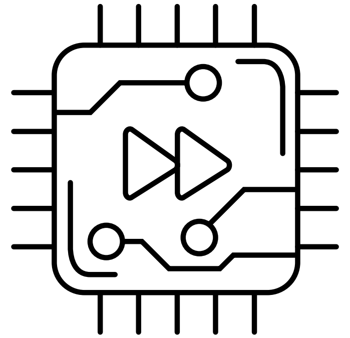
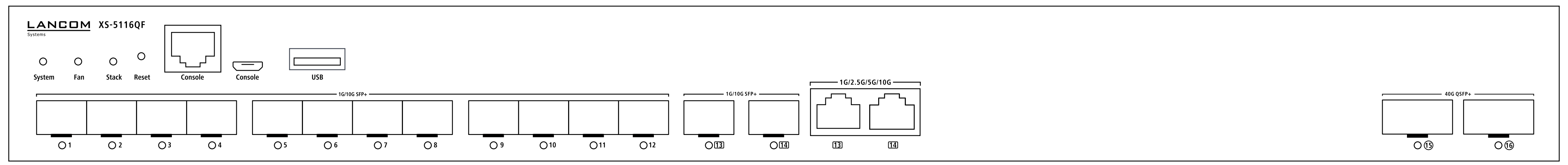
Hardware Quick Reference

LANCOM XS-5116QF





Mounting & connecting

① ② Configuration interfaces RJ-45 & micro USB (Console)
Connect the configuration interface ① via the included serial configuration cable to the serial interface of the device you want to use for configuring / monitoring the switch. Alternatively use the interface ② with a suitable micro USB cable.

③ 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.

④ SFP+ interfaces 1G/10G
Insert suitable LANCOM SFP modules into the SFP+ interfaces 1 to 12. 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.

⑤ SFP+ interfaces 1G/10G (combo ports)
Insert suitable LANCOM SFP modules into the SFP+ interfaces 13 to 14. 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.

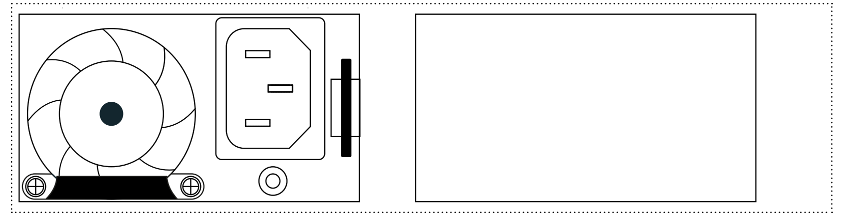
⑥ TP Ethernet interfaces 1G/2.5G/5G/10G (combo ports)
Connect the interfaces 13 to 14 via Ethernet cables to your PC or a LAN switch.

⑦ QSFP+ interfaces 40G
Plug suitable LANCOM QSFP+ modules into the QSFP+ interfaces 15 to 16. 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 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.

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 ⑪ to the left, you can pull the module out of the device by the handle ⑩.

⑨ 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.

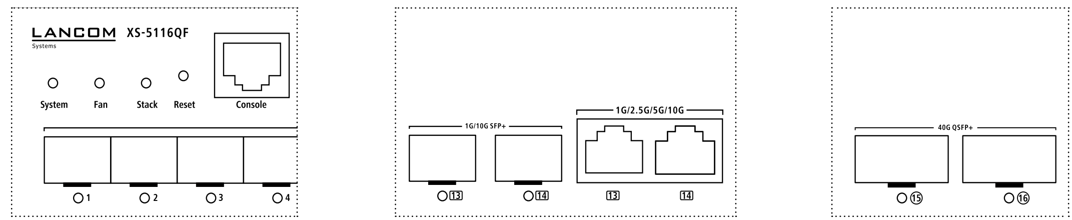
Please note that support for third-party accessories (SFP and DAC) is not provided.

Please observe the following when setting up the device
- → The mains plug of the device must be freely accessible.
- → Do not rest any objects on top of the device and do not stack multiple devices.
- → Keep the ventilation slots of the device clear of obstruction.
- → Mount the device with the enclosed rack mounting system in a free 19" slot of an appropriate server rack. Both slide-in rails are attached as shown in the accompanying installation instructions www.lancom-systems.com/slide-in-MI.

LANCOM SYSTEMS

Cloud-ready

LED description & technical details



① System / Fan / Stack	
System: green	Device operational
System: red	Hardware error
Fan: red	Fan error
Stack: off	No connection
Stack: green	As master device: port activated and connected to slave device
Stack: orange	As slave device: port activated and connected to master device

② Reset button	
~5 sec. pressed	Device restart
Pressed until all port LEDs glow	Configuration reset and device restart

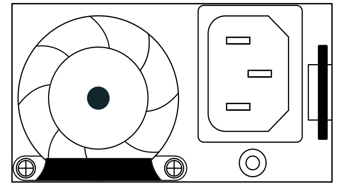
③ SFP+ ports 1G / 10 G	
Off	Port inactive or disabled
Green	Link 10 Gbps
Green, blinking	Data transfer, link 10 Gbps
Orange	Link 1 Gbps
Orange, blinking	Data transfer, link 1 Gbps

④ SFP+ ports 1G / 10G (combo ports)	
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

⑤ TP Ethernet ports 1G / 2.5G / 5G / 10G (combo ports)	
Off	Port inactive or disabed
Green	Link 10 / 5 / 2.5 Gbps
Green, blinking	Data transfer, link 10 / 5 / 2.5 Gbps
Orange	Link < 2.5 Gbps
Orange, blinking	Data transfer, link < 2.5 Gbps

⑥ QSFP+ ports 40G	
Off	Port inactive or disabled
Green	Link 40 Gbps
Gren, blinking	Data transfer, link 40 Gbps

⑦ Power supply unit LED	
Off	No primary voltage supply
Green	Secondary voltage supply OK
Orange	Critical power supply event that causes a shutdown: OCP, OVP, fan failure In case of parallel primary voltage supply by second power supply unit: power cable disconnected or power failure
Orange, blinking	Power supply warning event in which the power supply continues to operate: high temperature, high power, high current consumption, slow fan



Hardware	
Power supply	Exchangeable power supply (110-230 V, 50-60 Hz)
Power consumption	max. 250 watts
Environment	Temperature range 0–40°C, humidity 10–90%; non-condensing
Housing	Robust metal housing, 19" 1U (442 × 44 × 375 mm > W x H x D), network connectors on the front
Number of fans	1

Interfaces	
QSFP+	2 QSFP+ 40 Gbps uplink ports for connection to higher-level core switches or content servers, also configurable as stacking ports via software
SFP+ / TP-Ethernet Combo-Ports	Each 2 SFP+ (1 / 10 Gbps) / TP-Ethernet (1 / 2,5 / 5 / 10 Gbps) combo ports for use as additional downlink ports or for connection to a NAS or router
SFP+	12 SFP+ 1 / 10 Gbps downlink ports for aggregation of subordinate access switches
Console	1 RJ-45 / 1 * Micro USB
USB	1 USB

Package Content	
Mounting material	Rack mounting system consisting of 2 mounting brackets for front mounting and 2 slide-in rails for optional rear mounting of the switch in the rack.
Power supply	1 exchangeable power supply LANCOM SPSU-250, expandable to 2 LANCOM SPSU-250 power supplies (hot swappable, for redundancy operation)
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