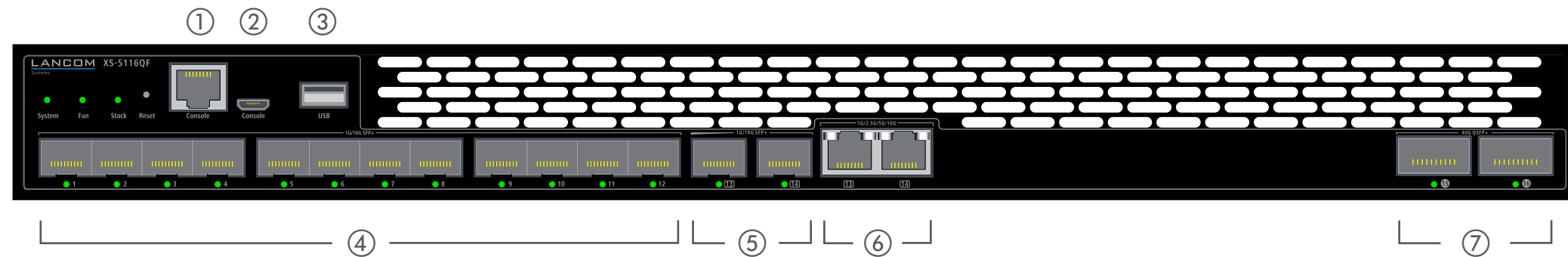


LANCOM XS-5116QF

Quick Reference Guide



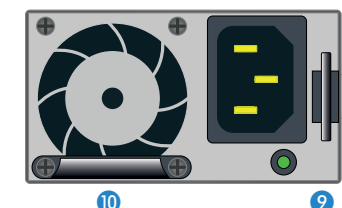
- ① **Configuration interfaces RJ-45 & micro USB (Console)**
- ② Connect the configuration interface ① via the included serial configuration cable to the serial interface of the device you want to use for configuring / monitoring the switch. Alternatively use the interface ② with a suitable micro USB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



2 slots for power supply modules with mains connection socket (rear panel)
To install a 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 ⑨ to the left. Now you can pull the module out of the device by the handle ⑩.



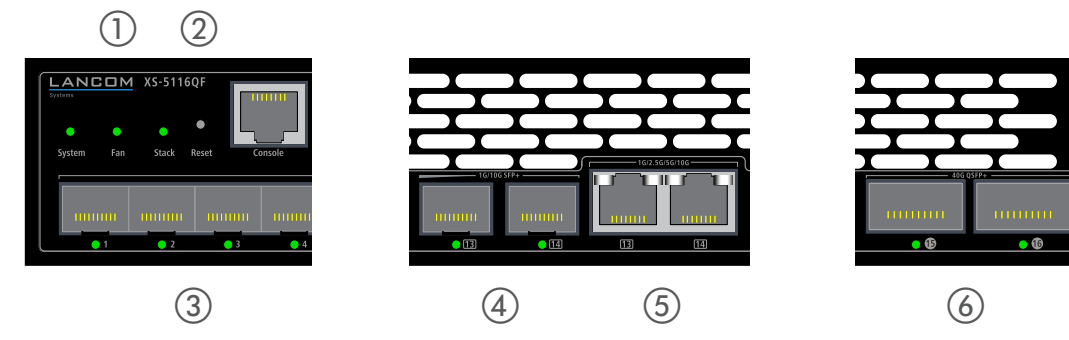
Please observe the following when setting up the device

- > 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 into a 19" unit in a server cabinet using the provided screws and mounting brackets.

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.

MOUNTING AND CONNECTING THE DEVICE



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
7~12 sec. pressed	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 disabled
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
Green, 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, OVR, 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	Swappable power supply unit (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 x 44 x 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

Declaration of Conformity	
Hereby, LANCOM Systems GmbH Adenauerstrasse 20/B2 D-52146 Wuersele, declares that this device is in compliance with Directives 2014/30/EU and 2014/35/EU. The full text of the EU declaration of conformity is available at the following internet address: www.lancom-systems.com/ce/	

Package Content	
Documentation	Quick Reference Guide (DE/EN), Installation Guide (DE/EN)
Mounting brackets	2 mounting brackets for rack mounting
Power supply	1x exchangeable power supply (expandable to 2 exchangeable power supplies for redundancy operation)
Cables	1 IEC power cord, 1 serial configuration cable, 1 micro USB configuration cable