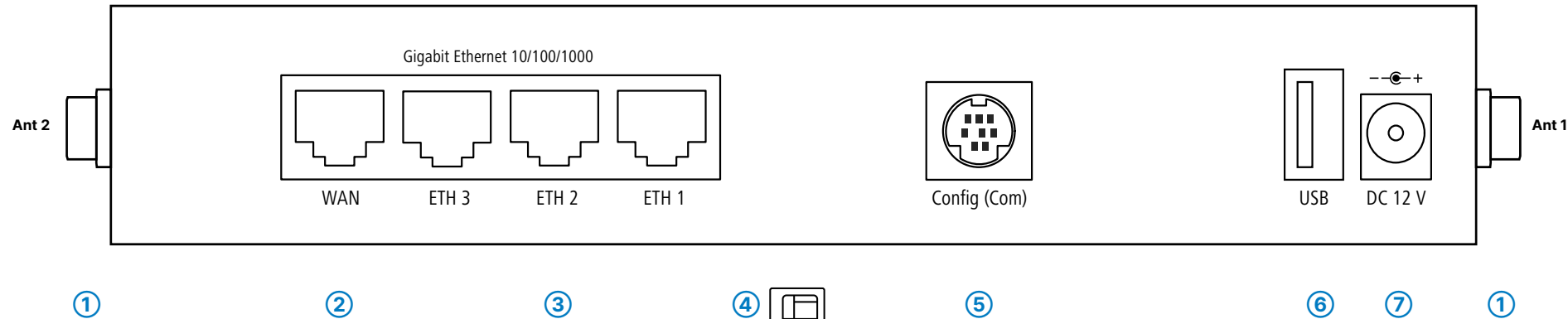
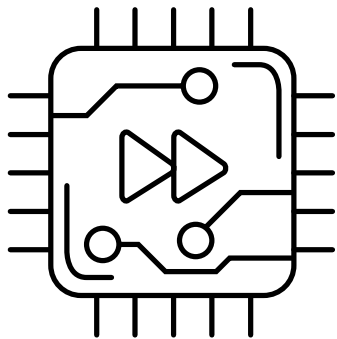
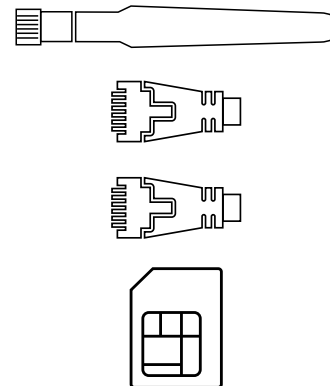


Hardware Quick Reference

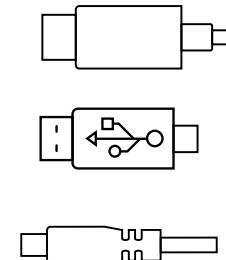
LANCOM 1790-4G+



- ① LTE / 4G antennas**
Connect the two supplied cellular antennas to the connectors Ant 1 and Ant 2.
- ② WAN interface**
Connect the WAN interface to your WAN modem using the enclosed ethernet cable with the dark green connectors.
- ③ Ethernet interfaces**
Use the cable with the green-colored connectors to connect one of the interfaces ETH 1 to ETH 3 to your PC or a LAN switch.
- ④ SIM card slot (bottom side of the device)**
Release the SIM-card holder and lever it upwards. Slide the SIM card into the guide slot of the SIM-card holder. Press the holder down until it clicks into place.



- ⑤ Configuration interface**
Configuring the device via the serial interface requires a serial configuration cable (available as an accessory).
- ⑥ USB interface**
You can use the USB interface to connect a USB printer or a USB memory stick.
- ⑦ Power**
After connecting the cable to the device, turn the bayonet connector 90° clockwise until it clicks into place. Use only the supplied power adapter.



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 is not provided.

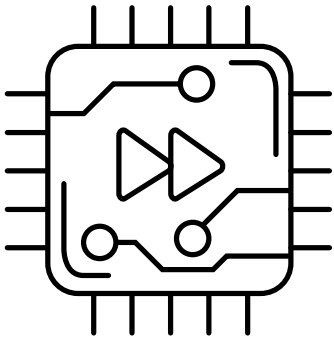


Please observe the following when setting up the device

- When setting up on the table, use the enclosed self-adhesive rubber pads, if applicable.
- Do not rest any objects on top of the device and do not stack multiple devices.
- Keep all ventilation slots of the device clear of obstruction.
- Rack installation with the optional LANCOM [Rack Mount](#) / [Rack Mount Plus](#) (separately available)

Hardware Quick Reference

LANCOM 1790-4G+



A Power		D ETH	
Off	Device switched off	Off	No networking device attached
Green, permanently*	Device operational, resp. device paired / claimed and LANCOM Management Cloud (LMC) accessible	Green, permanently	Connection to network device operational, no data traffic
Red / green blinking	Configuration password not set. Without a configuration password, the configuration data in the device is unprotected.	Green, flickering	Data transmission
B Online		E 4G	
Red blinking	Charge or time limit reached	Off	Cellular interface disabled
1x green inverse blinking*	Connection to the LMC active, pairing OK, device not claimed	Green, permanently	Connection to cellular network active
2x green inverse blinking*	Pairing error, resp. LMC activation code not available	Green, flickering	Cellular data transfer
3x green inverse blinking*	LMC not accessible, resp. communication error	Orange, permanently	Logon to cellular network successful
C WAN		Orange, blinking	Logging on to cellular network
Off	WAN connection inactive	Red, permanently	Hardware error/module unavailable
Green, blinking	WAN connection is established (e.g. PPP negotiation)	Red / green, blinking	SIM card error (PIN)
Green, permanently	WAN connection active	Red / orange, blinking	Uploading module firmware
Red, permanently	WAN connection error	F VPN	
*) The additional power LED statuses are displayed in 5-seconds rotation if the device is configured to be managed by the LANCOM Management Cloud.		Off	VPN connection inactive
		Green, permanently	VPN connection active
		Green, flashing	VPN connecting
		G Reset	
		Reset button	Operated e.g. with a paper clip short press: Restart the device long press: Reset the device
C WAN			
Off	Interface deactivated		
Orange, blinking	Synchronization with the modem		
Orange, permanently	Synchronization with the modem successful		
Green, permanently	WAN connection established		
Green, flickering	WAN data transmission		
Red / orange, blinking	Hardware error, ext. modem		

Hardware	
Power supply	12 V DC, external power adapter For an overview of the power supplies compatible with your device, see www.lancom-systems.com/kb/power-supplies .
Power consumption	Max. ca. 9 W
Environment	Temperature range 0–40 °C; humidity 0–95 %; non-condensing
Housing	Robust synthetic housing, rear connectors, ready for wall mounting, Kensington lock; measures 210 x 45 x 140 mm (W x H x D)
Number of fans	1 quiet fan
Interfaces	
4G: Ant 1, Ant 2	Two SMA connectors for the supplied dipole rod antennas (LTE, UMTS), compatible LANCOM AirLancer antennas for 4G or 3G, or from other manufacturers. Please respect the restrictions which apply in your country when setting up an antenna system (in particular the antenna gain and transmission power).
WAN	10 / 100 / 1000 Mbps Gigabit Ethernet
ETH	3 individual 10 / 100 / 1000 Mbps Gigabit Ethernet ports; ex-factory operation as switch. The ports can be electrically disabled in the LCOS configuration and support energy saving functionality as per IEEE 802.3az.
USB	USB 2.0 hi-speed host port for connecting USB printers (USB print server), serial devices (COM-port server) or USB drives (FAT file system)
Config (Com) / V.24	Serial configuration interface/COM-port (8-pin mini-DIN): 9,600 - 115,200 baud, suitable for optional connection of analog/GPRS modems. Supports internal COM-port server and provides transparent asynchronous serial-data transfer via TCP.
WAN protocols	
Ethernet	PPPoE, PPPoA, IPoA, Multi-PPPoE, PPTP (PAC or PNS) and IPoE (with or without DHCP), RIP-1, RIP-2, VLAN
Package content	
Cable	1 Ethernet cable, 3 m (kiwi colored connectors)
Antennas	2 LTE / 4G antennas
Power adapter	External power adapter

*) The additional power LED statuses are displayed in 5-seconds rotation if the device is configured to be managed by the LANCOM Management Cloud.

This product contains separate open-source software components which are subject to their own licenses, in particular the General Public License (GPL). The license information for the device firmware (LCOS) is available on the device's WEBconfig interface under "Extras > License information". If the respective license demands, the source files for the corresponding software components will be made available on a download server upon request.

Hereby, LANCOM Systems GmbH | Adenauerstrasse 20/B2 | D-52146 Wuersele, declares that this device is in compliance with Directives 2014/30/EU, 2014/53/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