Mounting & connecting

DC 12V   Reset   ETH 1 (PoE)   COM   SIM
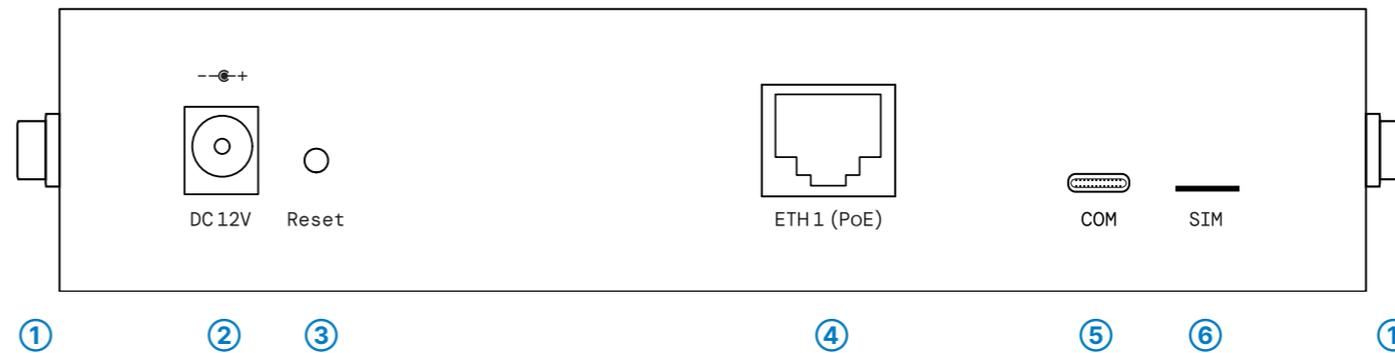
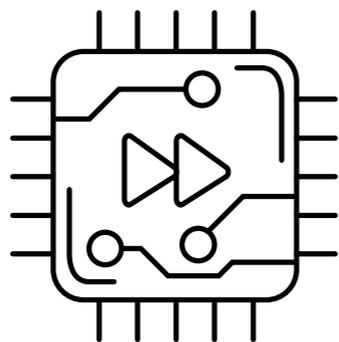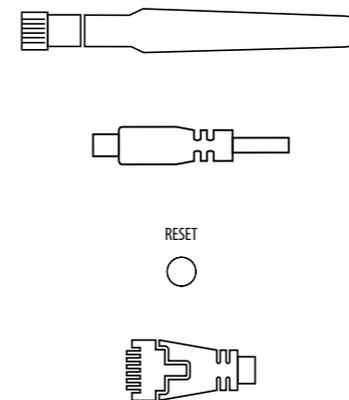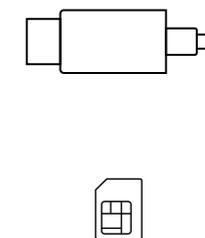① ② ③   ④   ⑤ ⑥   ①

Hardware Quick Reference

LANCOM 750-4G

① 4G antenna connectors
Screw the supplied cellular antennas to the corresponding connectors.
Antennas may only be attached or replaced when the device is switched off. Mounting or dismounting while the device is switched on may destroy the 4G module!

② Power
Use only the supplied power adapter.

③ Reset button
Pressed up to 5 seconds: device restart

Pressed until first flashing up of all LEDs:
configuration reset and device restart

RESET

④ Ethernet interface
Use the cable with the kiwi-colored connectors to connect the interface ETH1 to your PC or a LAN switch.

⑤ Serial USB-C configuration interface
A USB-C cable can be used for optional configuration of the device on the serial console. (cable not included)

⑥ Micro SIM card slot
When inserting the SIM card, pay attention to the marking for the correct position. Make sure that the card clicks into place in the slot.
To remove the card, press it lightly into the slot. This releases the card from the locked position in the slot.
The SIM card may only be inserted or removed when the device is switched off. Inserting or removing while the device is switched on may destroy the 4G module!

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.
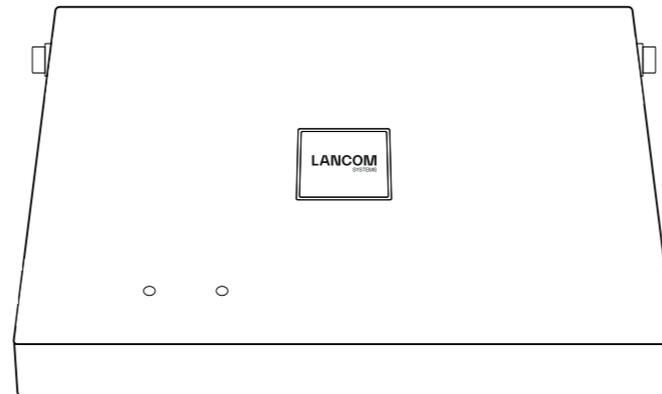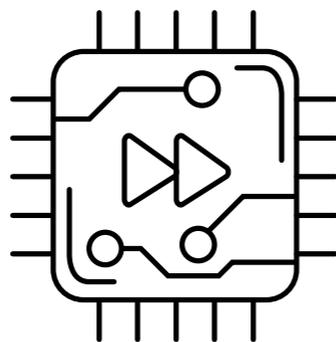
ⓘ

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.
→ Lockable wall and ceiling mounting using the LANCOM Wall Mount (LN)(available as an accessory)
→ When working with separately purchased antennas, please ensure you do not exceed the maximum permissible transmission power. The system operator is responsible for compliance with the limit values.

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LED description & technical details

Hardware Quick Reference

LANCOM 750-4G

A   B

A Power

Off	Device switched off
Green, permanently*	Device operational, resp. device paired / claimed and LANCOM Management Cloud (LMC) accessible
Green/orange, blinking	Configuration password not set. Without a configuration password, the configuration data in the device is unprotected.
1x green, inverse blinking*	Connection to the LMC active, pairing OK, claiming error
2x green, inverse blinking*	Pairing error, resp. LMC activation code / PSK not available
3x green, inverse blinking*	LMC not accessible, resp. communication error

B Online

Off	WAN connection not active
Green, blinking	WAN connection is establlished (e.g. PPP negotiation)
Green, permanently	WAN connection active
Red, permanently	WAN connection error

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. 12 W via external 12 V / 2 A power adapter (value refers to the overall power for the router and power adapter); approx. 11 W via PoE (value refers solely to the power of the device)
Environment	Temperature range 0 ° C to +40 °C humidity up to 95 %; non-condensing
Housing	Robust plastic housing, connections on the back, prepared for wall and ceiling mounting; dimensions 205 × 42 × 205 mm (W x H x D)
Number of fans	None; fanless design, no rotating parts, high MTBF

Interfaces

ETH1 (PoE)	10/100/1000 Base-T, autosensing, auto node hub, PoE according to IEEE 802.3af. The port supports energy saving functions according to IEEE 802.3az.
Configuration interface	Serial USB-C configuration interface
4G	2 SMA connectors for the supplied dipole rod antennas, suitable LANCOM AirLancer antennas for 4G, or from other manufacturers. Please take into account the legal regulations of your country for the operation of antenna systems (especially antenna gain and transmission power).

Data transmission in cellular networks - supported standards and power (dBm)

Max. transmission power	23 dBm

Package content

Cable	1 Ethernet cable, 3m (kiwi-colored connector)
Antennas	2 4G antennas
Power adapter	External power adapter (not for WW devices)

*) 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 Wuerselen, 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

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