Hardware Quick Reference

LANCOM LX-6500
LANCOM LX-6500E

Ports (left to right): Config (Com) | Reset | DC 12 V | ETH2 (2.5G) | ETH1 (PoE) (2.5G) | USB
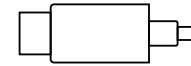
① ② ③ ④ ⑤
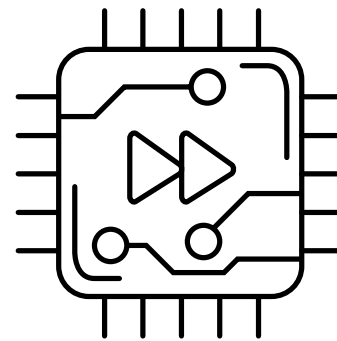
① Serial interface
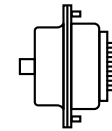You can optionally configure the device by connecting it to a PC with a configuration cable (separately available).

② Reset button
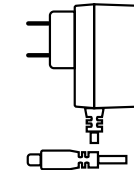Pressed up to 5 seconds:
device restart

Pressed longer than 5 seconds:
configuration reset and device restart

RESET

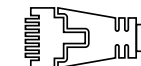**③ Power**
In case the power supply of the device should not be done via the PoE interface, please use only the optionally available plug-in power supply.
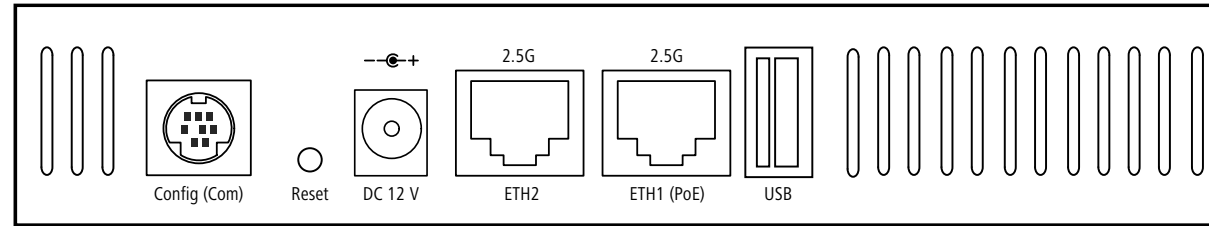
④ Ethernet interfaces
Use the cable with the Ethernet connectors to connect interface ETH1 (PoE) or ETH2 to your PC or a LAN switch.

⑤ USB interface
Connect compatible USB devices either directly to the USB interface, or use a suitable USB cable.

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.

Please observe the following when setting up the device
→ The power plug of the device must be freely accessible.
→ Do not rest any objects on top of the device.
→ Keep all ventilation slots on the side of the device clear of obstruction.
→ Lockable wall and ceiling mounting with the supplied LANCOM Wall Mount LX-6500
→ Please note that support service for third-party accessories is excluded.

Mounting & connecting

LANCOM

① ②

① Power

Off	Device switched off
Green, permanently*	Device operational, resp. device paired / claimed and LANCOM Management Cloud (LMC) accessible.
Blue / red, alternatingly blinking	DHCP error or DHCP server not accessible (only when configured as DHCP client)
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.
Purple, blinking	Firmware update
Purple, permanently	Device booting
Yellow / green, blinking alternating with WLAN Link LED	The access point searches for a WLAN controller

② WLAN Link

Off	No Wi-Fi network defined or Wi-Fi module deactivated. The Wi-Fi module is not transmitting beacons.
Green, permanently	At least one Wi-Fi network defined and Wi-Fi module activated. The Wi-Fi module is transmitting beacons.
Green, inverse flashing	Number of flashes = number of connected Wi-Fi stations
Green, blinking	DFS scanning or other scan procedure
Red, blinking	Wi-Fi module hardware error
Yellow / green, blinking alternating with power LED	The access point searches for a WLAN controller

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LED description & technical details
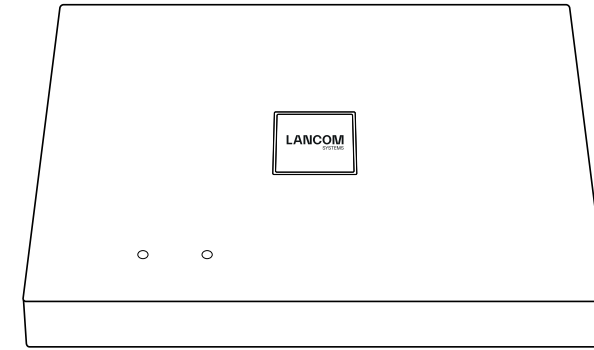
Hardware

Power supply	12 V DC, external power adapter (110 V or 230 V) or PoE based on 802.3bt via ETH1
Environment	Temperature range 0–40 °C; Access point overheating is avoided by automatic throttling of the Wi-Fi modules. Humidity 0-95 %; non-condensing
Housing	Robust synthetic housing, rear connectors, ready for wall and ceiling mounting, measures 230 × 42 × 230 mm (W x H x D)
Number of fans	None; fanless design, no rotating parts, high MTBF

Wi-Fi

Frequency band	2,400–2,483.5 MHz, 5,180–5,700 MHz, 5,945-6,425 MHz. Country-specific restrictions possible.
Radio channels 2.4 GHz	Up to 13 channels, max. 3 non-overlapping (2.4 GHz band)
Radio channels 5 GHz	Up to 19 non-overlapping channels (automatic dynamic channel selection required)
Radio channels 6 GHz	Up to 24 non-overlapping channels (EU/ETSI)
Antennas	Integrated

Other radio technologies

BLE	Bluetooth Low Energy 5.1
Wireless ePaper (only LX-6500E)	The device is equipped with a radio module for controlling LANCOM Wireless ePaper displays in the 2.4 GHz frequency band.

Interfaces

ETH1 (PoE)	10 / 100 / 1000 / 2.5G Base-T; PoE adapter compliant to IEEE 802.3bt required
ETH2	10 / 100 / 1000 / 2.5G Base-T
Serial interface	Serial configuration interface / COM-port (8-pin mini-DIN); 115,000 baud

Package content

Cable	Ethernet cable, 3 m
Bracket	Bracket for wall and ceiling mounting