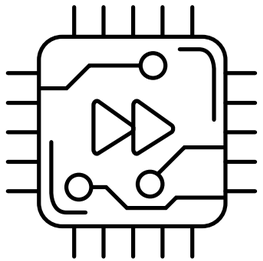
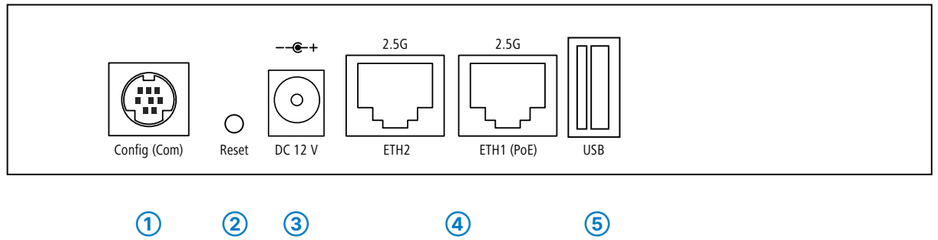
Hardware Quick Reference

LANCOM LX-6500
LANCOM LX-6500E

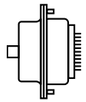




① **Serial configuration interface**
You can optionally configure the device by connecting it to a PC with a configuration cable (separately available).

② **Reset button**
Pressed up to 5 seconds:
device restart

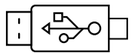
Pressed longer than 5 seconds:
configuration reset and device restart



③ **Power supply connection socket**
In case the power supply of the device should not be done via the PoE interface, please use only the optionally available external 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.

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
→ Do not rest any objects on top of the device.
→ Keep all ventilation slots of the device clear of obstruction.
→ Lockable wall and ceiling mounting with the supplied LANCOM Wall Mount LX-6500(E)

LANCOM SYSTEMS

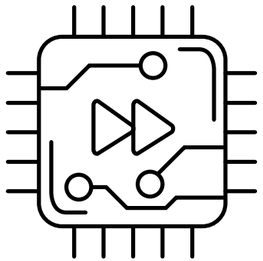
Cloud-ready

1123

LED description & technical details

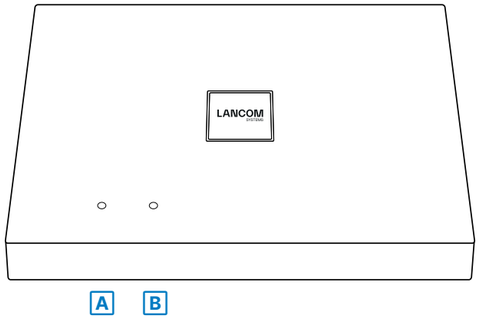
Hardware Quick Reference

LANCOM LX-6500
LANCOM LX-6500E



LANCOM SYSTEMS

Cloud-ready



A 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
Yellow, permanently (after configuration of at least one SSID)	Device is supplied with reduced PoE power

B 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

Hardware	
Power supply	12 V / 5 A DC, external power adapter (100 V - 240 V) / PoE based on IEEE 802.3bt via ETH1 Limited operation under IEEE 802.3at For an overview of the plug-in power supplies compatible with your device, see www.lancom-systems.com/kb/power-supplies.
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
Interfaces	
ETH1 (PoE)	10 / 100 / 1000 / 2.5G Base-T; PoE adapter compliant to IEEE 802.3at / 802.3bt required
ETH2	10 / 100 / 1000 / 2.5G Base-T; 100 MBit/s with IEEE 802.3at
USB	deactivated for IEEE 802.3at
Serial interface	Serial configuration interface / COM-port (8-pin mini-DIN): 115,000 baud
Wi-Fi	
Frequency band	2,400–2,483.5 MHz, 5,180–5,700 MHz, 5,945-6,425 MHz. Country-specific restrictions possible.
Transmission rates 2.4 GHz	4×4 MIMO and 40 MHz channel width with up to 1,150 Mbps sccording to IEEE 802.11ax with MCS11/QAM-1024, limited to 2×2 MIMO with IEEE 802.3at PoE power supply
5 GHz	4×4 MIMO and 80 MHz channel width or 2×2 MIMO and 160 MHz channel width with up to 2,400 Mbps according to IEEE 802.11ax with MCS11/QAM-1024
6 GHz	4×4 MIMO and 160 MHz channel width with up to 4,800 Mbps according to IEEE 802.11ax with MCS11/QAM-1024
Radio channels 2.4 GHz	Up to 13 channels, max. 3 non-overlapping
5 GHz	Up to 19 non-overlapping channels (automatic dynamic channel selection required)
6 GHz	Up to 24 non-overlapping channels (EU/ETSI)
Streams	4×4 Multi-User MIMO for simultaneous control of multiple clients in downlink and uplink (2.4 GHz Wi-Fi limited to 2×2 MIMO with PoE 802.3at power supply)
Antennas	Integrated
Other radio technologies	
BLE	The device can detect BLE devices in the environment and forward the data to external systems for analysis using a REST API.
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.
Package content	
Cable	Ethernet cable, 3 m
Mounting kit	LANCOM Wall Mount LX-6500(E)

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

The product contains separate components which, as so-called open source software, are subject to their own licenses, in particular the General Public License (GPL). The license information for the device firmware (LCOS LX) can be found via the command line with the command „show 3rd-party-licenses“. If required by the respective license, source files for the affected software components are provided on request. For this purpose, please contact us via e-mail at gpl@lancom.de.

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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