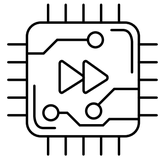
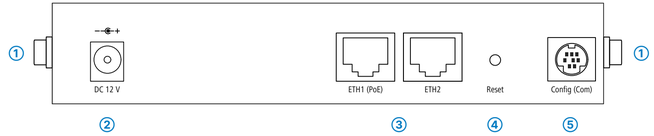
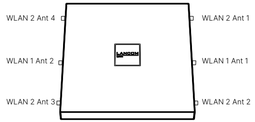
Hardware Quick Reference

LANCOM LN-1700B
LANCOM LN-1702B





① **Wi-Fi antennas (only LN-1702B)**
Screw the two supplied Wi-Fi antennas onto the connectors WLAN 1 Ant 1 / Ant 2 and WLAN 2 Ant 1 to Ant 4. The desired MIMO behaviour can be configured under
> Physical WLAN Settings > Radio > Antenna grouping



② **Power**
After connecting the cable to the device, turn the connector 90° clockwise to prevent it from accidental unplugging. Use only the supplied power adapter.

③ **Ethernet interface**
Use the cable with the Ethernet connectors to connect interface ETH1 (PoE) or ETH2 to your PC or a LAN switch.

④ **Reset button**
Pressed up to 5 seconds: device restart

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

⑤ **Serial interface**
You can optionally configure the device by connecting it to a PC with a configuration cable (separately available).

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.

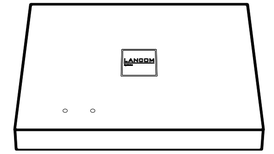
Please observe the following when setting up the device

→ The power plug of the device must be freely accessible.
→ For devices to be operated on the desktop, please attach the adhesive rubber footpads
→ 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 LANCOM Wall Mount (LN) (available as an accessory)
→ Please note that when operating both Wi-Fi modules in the same frequency band, mutual interference cannot be ruled out

LANCOM SYSTEMS

Cloud-ready

Mounting & connecting



① Power	
Off	Device switched off
Green, permanently*	Device operational, resp. device paired / claimed and LANCOM Management Cloud (LMC) accessible.
Orange, permanently	No adequate PoE-power supply via 802.3af, operation of the second Wi-Fi interface not possible
Red / green, blinking	Configuration password not set. Without a configuration password, the configuration data in the device is unprotected.
Orange / green, blinking alternately with the WLAN link LED	At least one Wi-Fi module is in managed mode and has not found a WLAN controller yet. The corresponding Wi-Fi module(s) is/are switched off until a WLAN controller has been found to supply a configuration, or until being switched manually into another operating mode.
Orange / red, blinking alternately with the WLAN link LED	At least one Wi-Fi module is in managed mode and has found a WLAN controller. However, the WLAN controller cannot assign a configuration because the firmware and/or the device's loader version is not compatible with the WLAN controller.
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.

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 and P2P wireless connections, followed by a pause (default). Alternatively the flashing frequency can indicate signal strength over the defined P2P link or the signal strength between the access point and the device operating in client mode.
Green, blinking	DFS scanning or other scan procedure
Red, blinking	Wi-Fi module hardware error

*) 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.

Hardware	
Power supply	12 V DC, external power adapter (110 V or 230 V) with bayonet connector to secure against disconnection or PoE based on 802.3at via ETH1
Power consumption	Approx. 21 W via 12 V / 2 A power adapter (value refers to the total power consumption of access point and power adapter), Approx. 19.4 W via PoE (value solely refers to the power consumption of the access point)
Environment	Temperature range 0–45 °C (vertical wall mount with LANCOM Wall Mount (LNI), 0–37 °C (horizontal ceiling mount with LANCOM Wall Mount (LN)) 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 205 × 42 × 205 mm (W x H x D)
Number of fans	None; fanless design, no rotating parts, high MTBF
Wi-Fi	
Frequency band	2400-2483.5 MHz (ISM) or 5180-5700 MHz (restrictions vary between countries)
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)
Bluetooth Low Energy	
iBeacon	The device can broadcast a configurable iBeacon.
Scanner	The device can collect data of BLE devices in the neighborhood and forward this data to external systems for evaluation purposes.
Interfaces	
ETH1 (PoE)	10 / 100 / 1000 Base-TX, autosensing, auto node hub, line bundling via LACP, PoE adapter compliant to IEEE 802.3at required
ETH2	10 / 100 / 1000 Base-TX, autosensing, auto node hub, line bundling via LACP
Serial interface	Serial configuration interface / COM-port (8-pin mini-DIN): 9,600 - 115,000 baud
Package content	
Antennas (only LN-1702B)	Six 3dBi dipole dual-band antennas
Cable	Ethernet cable, 3 m
Power adapter	External power adapter 12 V / 2 A DC/S, barrel connector 2.1 / 5.5 mm bayonet, LANCOM item no. 111590 (EU, 230 V) (not for WW devices)

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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LED description & technical details