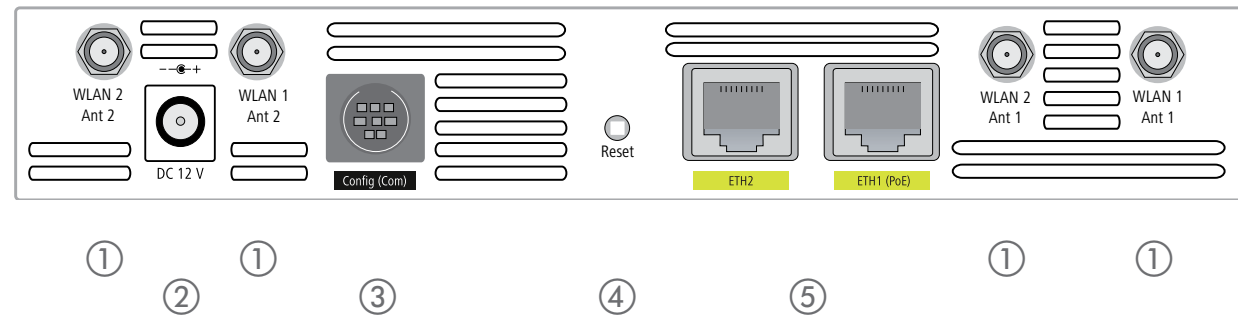


LANCOM L-822acn dual Wireless Quick Reference Guide



1 Wi-Fi antennas

Screw the WLAN antennas supplied onto the connectors WLAN1 Ant 1, WLAN1 Ant 2, WLAN2 Ant 1 and WLAN2 Ant 2. Depending on how the antennas are to be used, the 'Antenna Grouping' may need to be configured in order to ensure the desired MIMO behavior.



2 Power

When connecting the cable to the device, turn the bayonet connector 90° clockwise until it clicks into place. Use only the supplied power adapter.



3 Serial onfiguration interface

Configuring the device via the serial interface requires a serial configuration cable (available as an accessory).



4 Reset button

Pressed up to 5 seconds: device restart

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



5 Ethernet interfaces

Use the cable with the kiwi-colored connectors to connect the interfaces ETH1 (PoE) or ETH2 to your PC or a LAN switch.



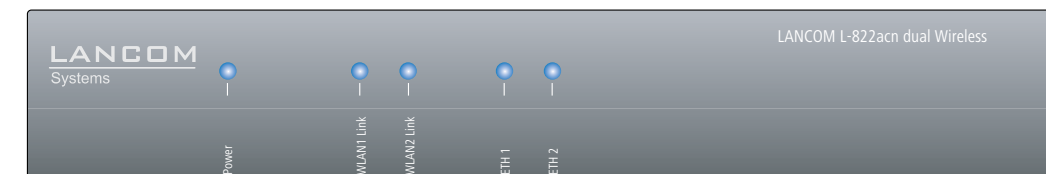
Please observe the following when setting up the device

- > Do not rest any objects on top of the device
- > For devices to be operated on the desktop, please attach the adhesive rubber footpads
- > In case of wall mounting, use the drilling template as supplied
- > Keep the ventilation slots on the side of the device clear of obstruction
- > Rack installation with the optional LANCOM Rack Mount (separately available)
- > When working with separately purchased antennas, please ensure you do not exceed the maximum permissible transmission power. The system operator is responsible for adhering to the threshold values.

- > Antennas are only to be attached or changed when the device is switched off. Mounting or demounting antennas with the device switched on may cause the destruction of the Wi-Fi modules!
- > If you intend to operate both WLAN modules in the same frequency band, we recommend using antennas with extension cables. You can position these types of antennas further apart from one another, which will lead to less interferences.

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.

MOUNTING AND CONNECTING THE DEVICE



① Power ② ③

1 Power

Off	Device switched off
Green, permanently	Device operational
Green, blinking	Configuration password not set. Without a configuration password, the configuration data in the device is unprotected.

2 WLAN1 Link, WLAN2 Link

Off	No Wi-Fi network defined or Wi-Fi module deactivated. The Wi-Fi module is not transmitting beacons.
Green	At least one Wi-Fi network is 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 frequency of the flashing 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.

3 ETH 1 and ETH 2

Off	No networking device attached
Green, permanently	Connection to network device operational, no data traffic
Green, flickering	Data traffic

License information for the device firmware (LCOS) is available in the file LCOS-Licenses.txt on the data medium supplied.

Hardware	
Power supply	12 V DC, external power adapter (110 or 230 V) with bayonet connector to secure against disconnection. PoE as per 802.3af via ETH-1
Power consumption	Approx. 11 W via 12 V / 2 A power adapter (value refers to the overall power for the access point and power adapter), approx. 12 W via PoE
Environment	Temperature range 0 °C to +40 °C when mounted vertically on a LANCOM Wall Mount; Temperature range 0 °C to +35 °C when mounted horizontally; 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	None; fanless design, no rotating parts, high MTBF
Wi-Fi	
Frequency band	2400–2483.5 MHz (ISM) or 5150–5825 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 26 non-overlapping channels (channels available vary according to country regulations; DFS for automatic dynamic channel selection required)
Interfaces	
ETH1	10 / 100 / 1000 Base-TX, autosensing, auto node hub, PoE compliant with IEEE 802.3af
ETH2	10 / 100 / 1000 Base-TX, autosensing, auto node hub
DSL over LAN (DSLol)	The LAN port can (even parallel to LAN mode) be used as a WAN port for connecting external DSL modems (PPPoE) or external routers.
External antenna connectors	Four reverse SMA connectors for external LANCOM AirLancer antennas or for antennas from other vendors
Serial interface	Serial configuration interface / COM port (8-pin Mini-DIN): 9,600–115,000 baud
Declaration of Conformity	
Hereby, LANCOM Systems GmbH Adenauerstrasse 20/B2 D-52146 Wuersele, declares that this radio equipment is in compliance with Directive 2014/53/EU. The full text of the EU declaration of conformity is available at the following internet address: www.lancom-systems.com/ce/	
Package content	
Cable	Ethernet cable, 3 m (LAN: kiwi-colored connectors; WAN: green connectors)
Antennas	Four 3 dBi dipole dualband antennas
Power adapter	External power adapter, NEST 12 V / 2 A DC/5, barrel connector 2.1 / 5.5 mm bayonet, LANCOM item no. 111303 (not for WW devices)