SECURE. NETWORKS.

LANCOM LN-830E Wireless
Quick Reference Guide

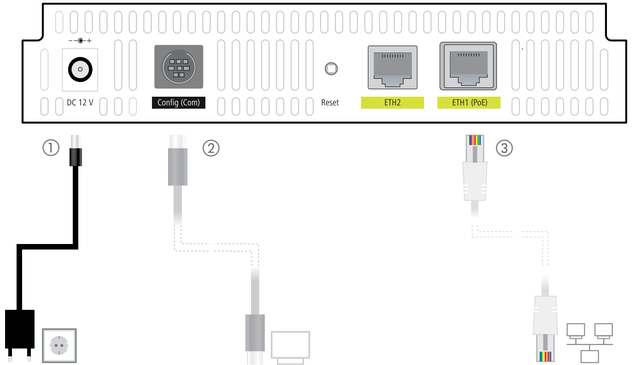
LANCOM
Systems

Please observe the following when setting up the device

- 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 the ventilation slots on the side of the device clear of obstruction
- In case of wall or ceiling mounting, use the drilling template as supplied

- Lockable wall and ceiling mounting with the LANCOM Wall Mount (LN) (available as an accessory)



① **Power**
When connecting the cable to the device, turn the bayonet connector 90° clockwise until it clicks into place.

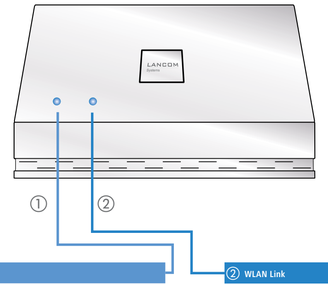
Use only the supplied power adapter!

② **Optional: Serial configuration cable**
You can configure the device by connecting it to a PC with a configuration cable (available seprately).

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

Please note that when operating the two WLAN modules in the same frequency band, mutual interference cannot be ruled out

MOUNTING AND CONNECTING THE DEVICE



① Power	
Off	Device switched off
Green, on (constant)	Device operational
Blinking red/green	Configuration password not set. Without a configuration password, the configuration data in the device is unprotected.
Blinking alternately orange/green with the WLAN link LED	At least one WLAN module is in managed mode and has not found a WLAN Controller yet. The corresponding WLAN module(s) is/are switched off until a WLAN Controller is found to supply a configuration, or until being switched manually into another operating mode.
Blinking alternately orange/red with the WLAN link LED	At least one WLAN 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.

② WLAN Link	
Off	No WLAN network defined or WLAN module deactivated. The WLAN module is not transmitting beacons.
Green	At least one WLAN network is defined and WLAN module activated. The WLAN module is transmitting beacons.
Green inverse flashing	Number of flashes = number of connected WLAN 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.
Blinking green	DFS scanning or other scan procedure.
Red, blinking	Hardware error in the WLAN module.

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

TECHNICAL DETAILS

Hardware	
Power supply	12 V DC, external power adapter (110 or 230V) with bayonet connector to secure against disconnection or PoE as per 802.3af via ETH1
Power consumption	Approx. 11 W via 12V/1A power adapter (value refers to the overall power for the access point and power adapter), about 12 W via PoE
Environment	Temperature range 0 ° to 40 °C for wall mounting (vertical mounting position) and 0 ° to 35 °C for ceiling mounting (horizontal mounting position); humidity 0-95 %; non-condensing
Housing	Robust synthetic housing, rear connectors, ready for wall and ceiling mounting; measures 205 x 42 x 205 mm (W x H x D)
Number of fans	None; fanless design, no rotating parts, high MTBF
WLAN	
Frequency band	2400-2483.5 MHz (ISM) or 5150-5725 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 (channels available vary according to country regulations; DFS for automatic dynamic channel selection required)
Interfaces	
ETH1 (PoE)	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
Serial interface	Serial configuration interface/COM-port (8-pin mini-DIN): 9,600 - 115,000 baud
Wireless ePaper Displays	The device is equipped with a radio module for the update of LANCOM Wireless ePaper Displays in the 2.4 GHz frequency band.
iBeacon	The device is equipped with a BLE radio module and can thus transmit a configurable iBeacon. The UUID as well as the major and minor ID are configurable.
Declaration of conformity	
The Declaration of Conformity can be found on the product page of our website www.lancom.eu	
Package content	
Manual	Quick Installation Guide (DE/EN/FR/ES/IT/PT/NL)
CD/DVD	CD/DVD with firmware, management software (LANconfig, LANmonitor, LANCAPI) and documentation
Cable	Ethernet cable, 3 m
Power adapter	External power adapter, NEST 12 V/1.5 A DC/S, barrel connector 2.1/5.5 mm bayonet, LANCOM item no. 111140 (EU, 230 V), LANCOM item no. 110829 (UK, 230 V)

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