

LANCOM IAP-322

Hardware Quick Reference



Wall mounting

wall using the holes (1), (5) and (3)

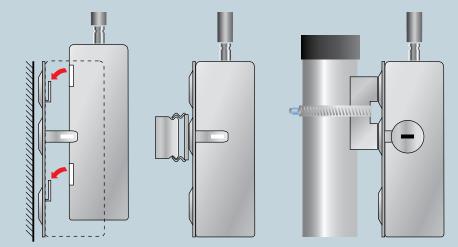


Top-hat rail mounting

Use the supplied screws to fix the back plate to the Fix the two top-hat rail clips with the supplied screws through the holes (1) and (3). Leave the screws slightly loose at first so that you can line up the clips properly.

Mast mounting

For mast mounting, use the supplied screws to fix the clamp profile through the holes (2) and (4).



Align the four openings on the rear of the device housing with the clips on the base plate and snap-fit the device.

Top-hat rail mounting only

Snap the two top-hat rail clips onto the required position on the top-hat rail.

Mast mounting only

Insert the supplied worm-drive clip (or one suitable for your pole diameter) around the mounting clamp profile. Finally, adjust the worm-drive clip to fix the device in the desired position on the mast.

Optional: Secure with a Kensington lock

The left side of the device features a slot for a Kensington lock. The Kensington lock securely fixes the device to the mounting plate.

(1) WLAN antennas

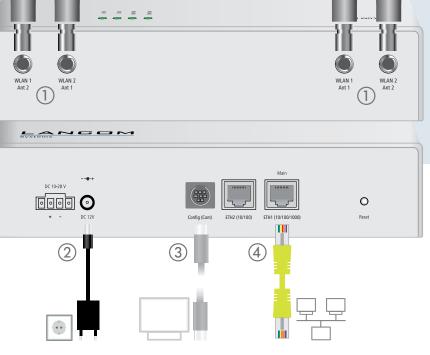
Screw the WLAN antennas supplied to the WLAN1 Ant 2, WLAN2 Ant 1 and WLAN2 Ant 2. Depending on the antenna ports you use, you may have to configure the 'Antenna grouping' parameter.











2 Power cable When connecting the connectors WLAN1 Ant 1, the bayonet connector 90° clockwise until it clicks into place.



Use only the supplied power adapter. Alternatively, connect the two free pins of the Combicon connector with a voltage source in the range 10–28 V DC.

(3) Optional: Serial configuration cable cable to the device, turn Connect the device to a PC green-

(4) LAN ۲۲ Use the cab with a configuration cable to con (available as accessory). terfac your Altern conne

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| he cable with the |
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| -colored connectors |
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| ces ETH1 or ETH2 to |
| PC or a LAN switch. |
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| LANCOM IAP-3 | 322 | WLAN2 | WLAN1 | ETH2 |
|-----------------------|---|-------|-------|------|
| | | 1 | | 2 |
| WLAN1, WLAN2 | | | | |
| ff | No WLAN network defined or WLAN module deactivated. The WLAN module is not transmitting beacons. | | | |
| reen | At least one WLAN network is defined and WLAN module activated. The WLAN module is transmitting beacons. | | | |
| reen 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. | | | |
| inking green | DFS scanning or other scan procedure | | | |
| | | | | |
| 2) ETH1, ETH2 | | | | |
| ff | No networking device attached | | | |
| reen on, | Connection to network device operational, no data traffic | | | |

permanently Flickering green Data traffic) Power Device switched off Green on, Device operational permanently Blinking green Configuration password not set. Without a configuration password, the configuration data in the device is unprotected.

Charge or time limit reached Blinking red

| Power supply | 12 V DC, external power adapter (230 V) with bayonet connector to secure against disconnection | Please note that depending on the intend your power supply has to support the exte | |
|-----------------------------|---|--|--|
| | 24 V DC, input voltage range 10–28 V | temperature range. | |
| | Via Power-over-Ethernet as per IEEE 802.3af | | |
| Power consumption | Max. power consumption: 12 W @ 12/24 V | - | |
| Environment | Temperature range -20 to +50 °C; humidity 0–95%; non-condensing | | |
| Housing | Robust metal housing, IP 50 protection class, for wall, mast and top-hat rail mounting, 210 × 152 × 45 mm (length/width/depth), weighs approx. 1.1 kg (without mounting materia | | |
| WLAN | | | |
| Frequency band | 2.4 GHz or 5 GHz, 2400–2483.5 MHz (ISM) or 5150–5825 MHz (restrictions vary between coun | | |
| Radio channels 2.4 GHz | Up to 13 channels, max. 3 non-overlapping (2.4-GI | Hz band) | |
| Radio channels 5 GHz | Up to 26 non-overlapping channels (channels available vary according to country regulations; E for automatic dynamic channel selection required) | | |
| Interfaces | | | |
| ETH1 | 10/100/1000 Mbps auto-sensing, PoE as per IEEE 8 | 802.3af | |
| ETH2 | 10/100 Mbps auto-sensing, PoE as per IEEE 802.3af | | |
| External antenna connectors | Four reverse SMA connectors for external LANCOM AirLancer Extender antennas or for antenna from other vendors | | |
| Config (Com) | Serial configuration interface / COM port (10-pin co | onnector): 19,200–115,000 baud | |
| WLAN protocols | | | |
| Ethernet | PPPoE, Multi-PPPoE, ML-PPP, PPTP (PAC or PNS) and plain Ethernet (with or without DHCP), RI RIP-2, VLAN, IP | | |
| Declaration of confo | rmity | | |
| CE | EN 60950, EN 301489-1, EN 301489-17, EN 300328, EN 301893 | | |
| UL | UL-2043 | | |
| Notifications | Certifications notified in Germany, Belgium, Netherlands, Luxembourg, Austria, Spain, Switzerl UK, Italy, Portugal, Czech Republic, Denmark, France | | |
| Package content | | | |
| Manual | Quick Reference Guide (DE/EN), Installation Guide (DE/EN/FR/ES/IT/PT/NL) | | |
| CD/DVD | Data medium with management software (LANconfig, LANmonitor, WLANmonitor) and LCOS documentation | | |
| Cable* | Ethernet cable, 3m | | |
| Split ferrite | Split ferrite (160 ohms @ 10 MHz) for attachment to the Ethernet cable, item no. 74272722 fr Würth Elektronik. Please observe a bend radius of at least 3 cm for the Ethernet cable. | | |
| Combicon connector | For connection to a power supply ranging from 10–28 V DC | | |
| Antennas | Four 3-dBi dipole dual-band antennas | | |
| Power adapter* | External power supply adapter (230 V), NEST 12 V/1.5 A DC/S, barrel connector 2.1/5.5 mm bay temperature range -5 to 45°C, LANCOM item no. 110723 (EU), LANCOM item no. 110829 (UK | | |

f you operate separately purchased antennas, please ensure that you do not exceed the maximum allowed transmission power for your system. The system operator is responsible for adhering to the threshold values. For information about calculating the correct antenna setup, please refer to www.lancom-systems.eu.

If you intend to operate both WLAN modules in the same frequency band, we recommend that you connect the antennas via extension cables. In this way they can be positioned further away from one another, which reduces the effects from interference.

Antennas are only to be attached or changed when the device is switched off ing antennas with the device switched on could destroy the WLAN module! Antennas are only to be attached or changed when the device is switched off. Mounting or demoun