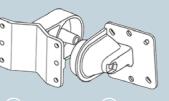
.connecting your business

LANCOM OAP-322

Quick Reference Guide







Screw the connector flange 2 to the back of the housing with the four screws and their washers.

Wall mounting

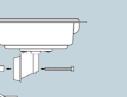
Use the mounting arm (1) as a template. Fix the mounting arm to the wall with the supplied screws and dowling plugs.

Pole mounting

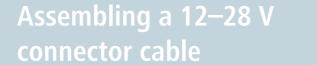
Place the clamp profile (3) around the pole. Screw the clamp profile onto the mounting arm with the supplied screws.

Attach the access point with the connector flange 2 to the mounting arm Use the M8×110 bolt with spring locking washer, washer and nut.

The main beam direction of the integrated antenna can be adjusted by tilting the access point up or down by rotating the connection flange about the mounting arm.

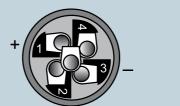


Installing access points and/or external antennas without adequate lightning protection can lead to serious damage to the devices and/or to the associated network infrastructure.



As an alternative to PoE power supply, the device can be operated with the LANCOM OAP-320 PSU. If other cable lengths (>15 m) are required, you can assemble these to suit. Observe the following guidelines for cable assembly:

- Use only an outdoor-grade cable with protection class
- Use a cable with a cross section of the cores of 0.75 mm². The permissible outer diameter of the cable is between 6 and 8 mm.
- For the pin assignment, use pin 1 (positive) and pin 3 (negative). The other pins remain unconnected.
- Use wire-end ferrules that are suitable for the cable you are using.



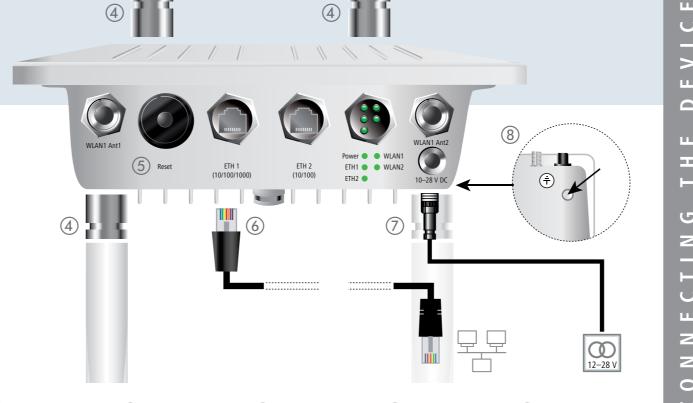
The maximum cable length depends on the supply voltage and ambient temperature. The longer the cable, the greater the power loss. Consider this loss when you select your power supply.

An operating voltage of 10–28 V is necessary at the device. The following guidelines apply for two typical applications:

- Power supply with 12 V: Max. cable length of 30 m at ambient temperatures of 55 °C
- Power supply with 20—24 V: Max. cable length of 150 m at ambient temperatures of up to 70 °C



The cable must be connected with care to ensure that the device remains sealed. Any work required for the electrical installation must be carried out by a trained electrician.



(4) WLAN antennas the device to its default antennas to the terminals WLAN1 Ant1 and WLAN1 configuration, keep the Ant2. The terminals for WLAN2 module are pressed until the LEDs on the device go out. located on the reverse The automatic restart side of the device.

Using the supplied outdoor Ethernet cable, connect the 'LAN-In' port to a free network socket reset button on the device for your local network.

Alternatively, use PoE to supply power to the Use an M12 industrial

Screw one end of the green grounding wire to the housing and attach the other end to a suitable ground.



wer	
	Device switched off
on, nently	Device operational
g green	Configuration password not set. Without a configuration password, the configuration data in the device is unprotected.

ETH1 and ETH2			can indicate signal strength over the defi	
f	No networking device attached		can indicate signal strength over the d P2P link or the signal strength betwee	
een on, rmanently	Connection to network device operational, no data traffic		access point and the device operating in client mode.	
ckering green	Data traffic	Blinking green	DFS scanning or other scan procedure	

/LAN1 and	I WLAN2
	No WLAN network defined or WLAN module deactivated. The WLAN module is not transmitting beacons.
	At least one WLAN network is defined and WLAN module activated. The WLAN module is transmitting beacons.
inverse g	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

Official	For 24–28 V: -33°C to +70 °C
ing	Robust metal housing, protection class IP66 for wall and pole mounting. Note: For installations in salt-water environments, use a suitable protective housing Dimensions 255 × 250 × 80 mm (length/width/depth)
.N	
uency band	2.4 GHz or 5 GHz, 2400–2483.5 MHz (ISM) or 5150–5825 MHz (restrictions vary between countries)
e loor/P2P)	Several kilometers in the 5-GHz band. The Antenna Distance Calculator is available for free from www.lancom.eu.
mum transmission er	Transmission-power reduction in software by 1dB steps to min. 0.5 dBm
channels 2.4 GHz	Up to 13 channels, max. 3 non-overlapping (2.4-GHz band)
channels 5 GHz	Up to 26 non-overlapping channels (channels available vary according to country regulations; DFS for automatic dynamic channel selection required)
faces	
port (ETH1)	10/100/1000 Mbps, pre-configured LAN port, re-configurable to WAN port
port (ETH2)	10/100 Mbps, pre-configured LAN port, re-configurable to WAN port
nal nna connectors	4 N connectors
aration of conforr	nity
	EN 60950-1, EN 60950-22, EN 301489-1 V1.9.2, EN 301 489-17 V2.2.1, EN 300328 V1.8.1, EN 301893 V1.7.1
ications	Certifications notified in Germany, Belgium, Netherlands, Luxembourg, Austria, Spain, Switzerland, UK, Italy, Portugal, Czech Republic, Denmark, France
age content	
2	Water-resistant, UV-resistant Ethernet cable with screw connector, 15 m
ual	Quick Reference Guide (DE/EN), Installation Guide (DE/EN/FR/ES/IT/PT/NL)
VD	Data medium with management software (LANconfig, LANmonitor, WLANmonitor) and LCOS documentation
nnas	Four 3-dBi dipole dual-band WLAN antennas
ter	5-pin cable connector for a self-assembled cable, LANCOM item no. 110885, can be ordered for free with a coupon
nting kit	Equipment for wall and pole mounting, screws included
ring cap	Ensures that the unit remains sealed in case an Ethernet port is unused

Gigabit Ethernet PoE Injector (IEEE 802.3af)

10-28 V DC device operating voltage; alternatively PoE according to IEEE 802.3af

For 12 V: 12 W (as measured by the OAP)

For 10-28 V: -33°C to +55 °C

For PoE: 12.95 W (as measured by the OAP)

LANCOM



that follows restores the

default configuration to

the device.