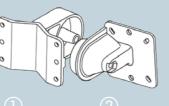


## LANCOM OAP-322

Quick Reference Guide



## Mounting





## Wall mounting

washers.

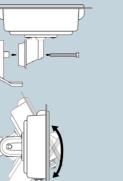
Use the mounting arm (1) as a template. Fix the mounting arm to the wall with the supplied screws and dowling plugs.

## Pole mounting

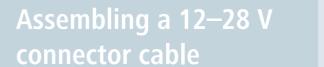
Place the clamp profile 3 around the pole. Screw the clamp profile onto the mounting arm with the supplied screws.

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.

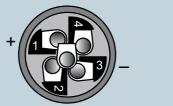


Observe the mounting instructions in the accompanying LANCOM Outdoor Wireless Guide. Installing access points and/or external antennas without adequate lightning protection can lead to serious damage to the devices and/or to the associated network infrastruc-



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 mm<sup>2</sup>. 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.



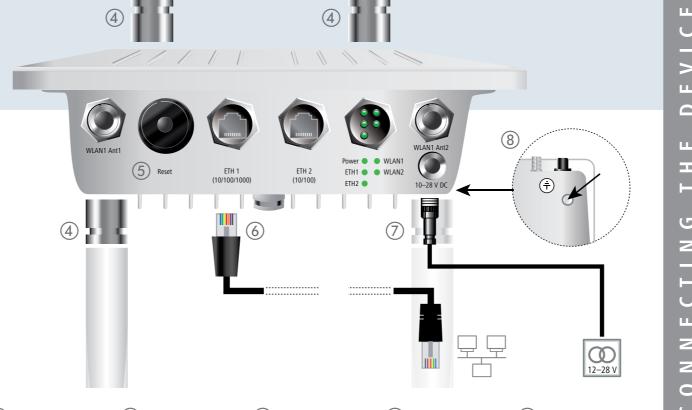
The maximum cable length depends on the supply voltage and ambient temperature. The longer the cable, the greater the power loss. Consider this loss when you select your power supply.

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 antennas to the terminals Ant2. The terminals for WLAN2 module are located on the reverse side

of the device.

the device to its default configuration, keep the reset button on the device for your local network. pressed until the LEDs on the device go out. The automatic restart

Using the supplied outdoor Ethernet cable, connect the 'LAN-In' port to a free network socket Alternatively, use PoE to supply power to the that follows restores the default configuration to

Use an M12 industrial Screw one end of the connector to connect your green grounding wire to self-assembled cable to the housing and attach the other end to a suit-



Power		3
	Device switched off	Off
n on, nanently	Device operational	
king green	Configuration password not set. Without a configuration password, the configuration data in the device is unprotected.	Gre
		_

② ETH1 and ETH2			Alternatively the frequency of the flashing can indicate signal strength over the defi	
Off	No networking device attached	orking device attached P2P link or the signal strength between		
Green on, permanently	Connection to network device operational, no data traffic		access point and the device operating in client mode.	
Flickering green	Data traffic	Blinking green	DFS scanning or other scan procedure	

WLAN1 and V	VLAN2
	No WLAN network defined or WLAN module deactivated. The WLAN module is not transmitting beacons.
en	At least one WLAN network is defined and WLAN module activated. The WLAN module is transmitting beacons.
en inverse hing	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 and the state of the
	P2P link or the signal strength between the access point and the device operating in

Haraware		
Power supply	10–28 V DC device operating voltage; alternatively PoE according to IEEE 802.3af	
Power consumption	For 12 V: 12 W (as measured by the OAP) For PoE: 12.95 W (as measured by the OAP)	
Environment	For 10–28 V: -33°C to +55 °C For 24–28 V: -33°C to +70 °C	
Housing	Robust metal housing, protection class IP66 for wall and pole mounting.  Note: For installations in salt-water environments, use a suitable protective housing Dimensions $255 \times 250 \times 80$ mm (length/width/depth)	
WLAN		
Frequency band	2.4 GHz or 5 GHz, 2400–2483.5 MHz (ISM) or 5150–5825 MHz (restrictions vary between countries)	
Range (outdoor/P2P)	Several kilometers in the 5-GHz band. The Antenna Distance Calculator is available for free from www.lancom.eu	
Minimum transmission power	Transmission-power reduction in software by 1dB steps to min. 0.5 dBm	
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		
LAN port (ETH1)	10/100/1000 Mbps, pre-configured LAN port, re-configurable to WAN port	
LAN port (ETH2)	10/100 Mbps, pre-configured LAN port, re-configurable to WAN port	
External antenna connectors	4 N connectors	
Declaration of conform	nity	
CE	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	
Notifications	Certifications notified in Germany, Belgium, Netherlands, Luxembourg, Austria, Spain, Switzerland, UK, Italy, Portugal, Czech Republic, Denmark, France	

Water-resistant, UV-resistant Ethernet cable with screw connector, 15 m

Quick Reference Guide (DE/EN), Installation Guide (DE/EN/FR/ES/IT/PT/NL)

5-pin cable connector for a self-assembled cable, LANCOM item no. 110885,

Ensures that the unit remains sealed in case an Ethernet port is unused

Four 3-dBi dipole dual-band WLAN antennas

Equipment for wall and pole mounting, screws included

can be ordered for free with a coupon

Data medium with management software (LANconfig, LANmonitor, WLANmonitor) and LCOS documentation