



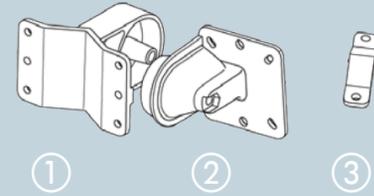
... connecting your business

## LANCOM OAP-822

### Quick Reference Guide

**LANCOM**  
Systems

## Mounting



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

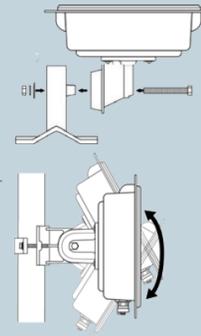
### Wall mounting

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.

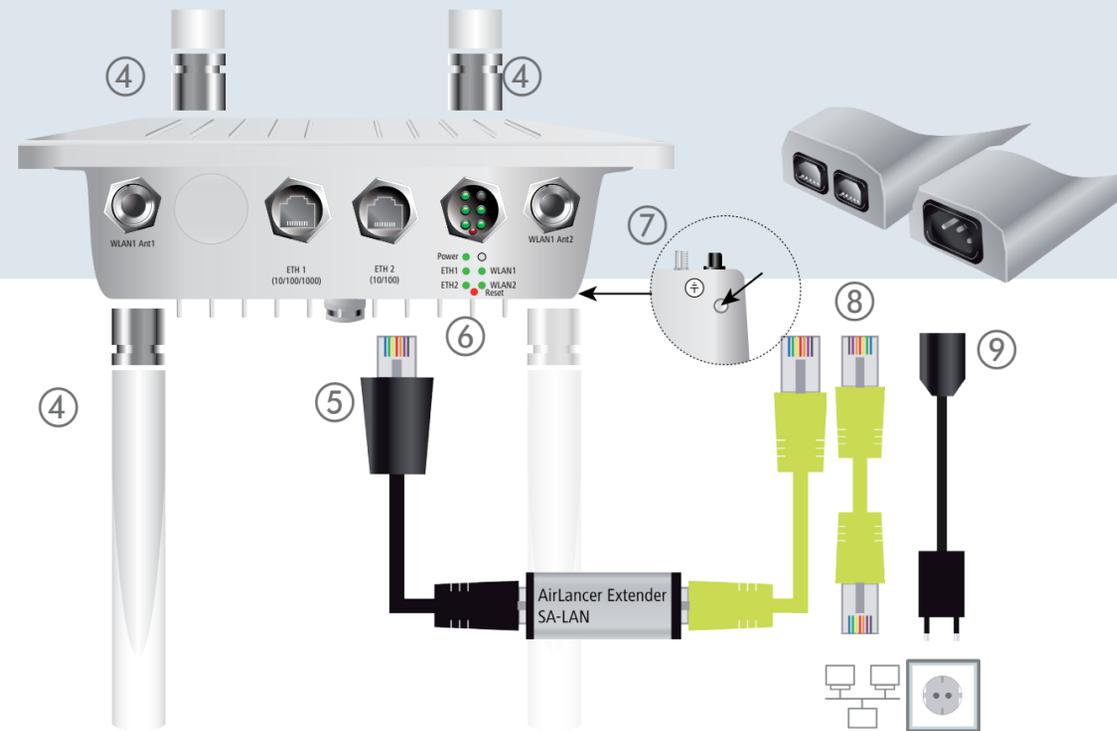
Attach the access point with the connector flange ② to the mounting arm ③. Use the M8 x 110 bolt with spring locking washer, washer and nut.



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 related network infrastructure.



④ **WLAN antennas**  
For the WLAN1 module, screw the supplied WLAN antennas to the connectors WLAN1 Ant1 and WLAN1 Ant2. The antenna ports for WLAN2 are located on the back of the device.

⑤ **LAN and Power**  
The LAN connector also supplies the power to the LANCOM OAP-822. Plug in the water-proof power cable to the LAN port on the underside of the device and carefully tighten the threaded connector. Connect the other end of the power cable to the 'Power Out' connector on the supplied PoE Injector.

⑥ **Reset**  
The reset switch is a part of the LED block. To restore the device to its default configuration, keep the reset button on the device pressed until the LEDs on the device go out. The automatic restart that follows restores the default configuration to the device.

⑦ **Grounding**  
Screw one end of the green grounding wire to the housing and attach the other end to a suitable ground.

⑧ **LAN**  
Use a standard Ethernet cable to connect the LAN-In connector of the supplied PoE injector to an available network connector socket in your local network

⑨ **Power**  
Supply power to the PoE injector. Only use the supplied PoE Injector to supply power to the LANCOM OAP-822. Pay particular care not to connect the PoE Injector to non-PoE Ethernet devices!



The housing of the device may become warm during operation. If the device is operated with outside temperatures exceeding 60 °C, it should be mounted with protection against contact. When operating both 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 green	Configuration password not set. Without a configuration password, the configuration data in the device is unprotected.

### ② ETH1 and ETH2

Off	No networking device attached
Green, on (constant)	Connection to network device operational, no data traffic
Flickering green	Data traffic

### ③ WLAN1 and WLAN2

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

Hardware	
Power supply	Via Power-over-Ethernet compliant to IEEE 802.3af
Power consumption	PoE: 12.95 W (measured at the OAP)
Environment	-33 °C to +70 °C
Housing	Robust metal housing, protection class IP 66, for wall and pole mounting. Note: For installation in salt water environments please use a suitable outer housing. Dimensions 255 x 250 x 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)	The Antenna Distance Calculator is available for free from <a href="http://www.lancom.eu">www.lancom.eu</a> .
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 auto-sensing, PoE as per IEEE 802.3af
LAN port (ETH2)	10/100 Mbps, preconfigured LAN port, re-configurable to WAN port
External antenna connectors	4 Nj ports (two per WLAN interface)
Declaration of conformity	
The Declaration of Conformity can be found on the product page of our website <a href="http://www.lancom.eu">www.lancom.eu</a>	
Package content	
Cable	Water-resistant, UV-resistant Ethernet cable with screw connector, 15 m
Manual	Quick Reference Guide (DE/EN), Installation Guide (DE/EN/FR/ES/IT/PT/NL)
DVD	CD/DVD with management software (LANconfig, LANmonitor, LANCAPI) and documentation
Antennas	Four 3-dBi dipole dual-band WLAN antennas
Mounting kit	Equipment for wall and pole mounting, screws included
Covering cap	Ensures that the unit remains sealed in case an Ethernet port is unused
PoE injector	Gigabit Ethernet PoE injector (IEEE 802.3af)
Grounding cable	To avoid electrostatic charge

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TECHNICAL DETAILS