Hardware Quick Reference
LANCOM OX-6400

Cloud-ready

LANCOM SYSTEMS
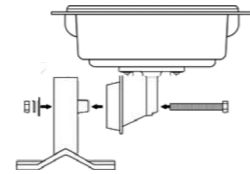
Mounting

① ② ③

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

When fastening the clamp profile ③, please pay attention to tighten the screws equally with a maximum torque of 7 Nm!

Wall mounting
Use the mounting arm ① as a template. Fix the mounting arm to the wall with the supplied screws and dowling plugs. Attach the access point with the connector flange ② to the mounting arm ①. Use the M8×110 bolt with spring locking washer, washer and nut.
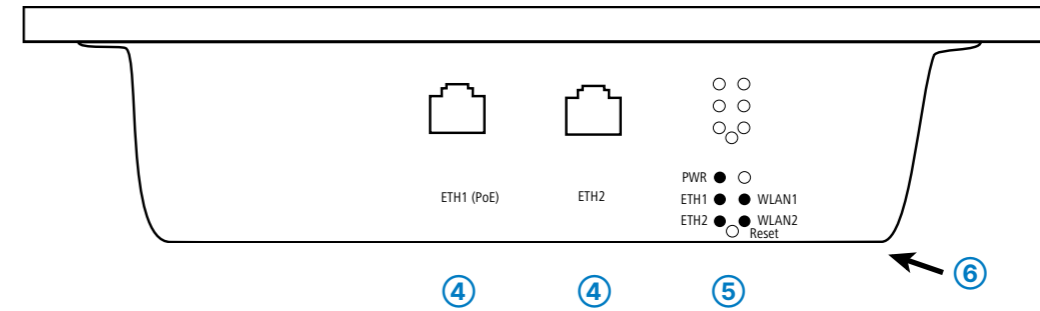
Pole mounting
Place the clamp profile ③ around the pole. Screw the clamp profile onto the mounting arm with the supplied screws.
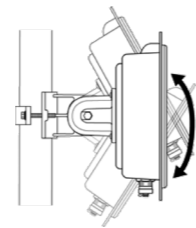
The main beam direction of the integrated antenna can be adjusted by tilting the access point up or down by rotating the connection flange about the mounting arm.

ETH1 (PoE)   ETH2

PWR ● ○
ETH1 ● ● WLAN1
ETH2 ● ● WLAN2
Reset

④   ④   ⑤   ⑥

④ **ETH1 (PoE), ETH2 (PoE passthrough) interfaces**
The device is simultaneously supplied with power via the ETH1 (PoE) connection. To do this, plug the supplied waterproof network cable into the ETH1 (PoE) port and screw the cable carefully. Connect the other end of the network cable to a free PoE-capable network socket of your local network or with a PoE injector. Connect the ETH2 interface optionally to a device to be supplied with power via PoE passthrough.

⑤ **Reset button (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 following automatic restart restores the default configuration to the device.

⑥ **Grounding**
Screw one end of the green/yellow grounding wire to the housing and attach the other end to a suitable ground.
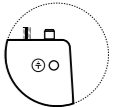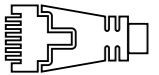
Before initial startup, please make sure to take notice of the information regarding the intended use in the enclosed installation guide!

Operate the device only with a professionally installed power supply at a nearby power socket that is freely accessible at all times.

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.

Please observe the following when setting up the device
→ 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 using customized outdoor Ethernet cables, make sure that the cables have a short plug kink protection.

LED description & technical details

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LANCOM OX-6400

ETH1 (PoE) ETH2

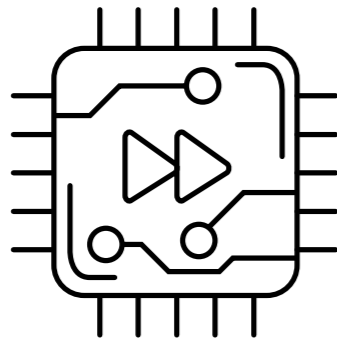|		
A	PWR ● ○	
B	ETH1 ● ●	WLAN1
	ETH2 ● ●	WLAN2 C
	○ Reset	
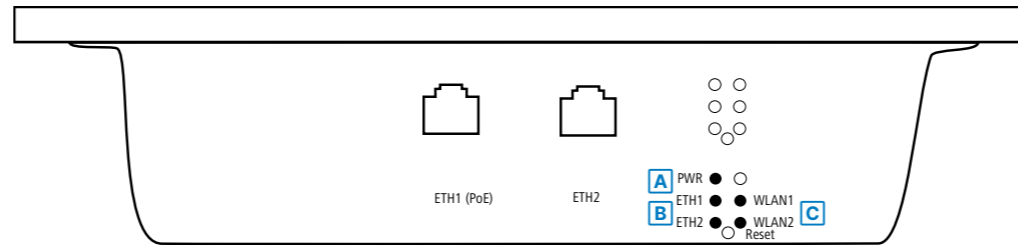
A Power

Off	Device switched off
Green, permanently*	Device operational, resp. device paired / claimed and LANCOM Management Cloud (LMC) accessible
1x green inverse blinking*	Connection to the LMC active, pairing OK, device not claimed
2x green inverse blinking*	Pairing error, resp. LMC activation code not available
3x green inverse blinking*	LMC not accessible, resp. communication error

B ETH1 (PoE) / ETH2

Off	No networking device attached
Green, permanently	Connection to network device operational, no data traffic
Green, flickering	Data traffic

C WLAN1 / WLAN2

Off	No Wi-Fi network defined or Wi-Fi module deactivated. The Wi-Fi module is not transmitting beacons.
Green	At least one Wi-Fi network is defined and Wi-Fi module activated. The Wi-Fi module is transmitting beacons.
Green, flashing inverse	Number of flashes = number of connected Wi-Fi stations
Green, blinking	DFS scanning or other scan procedure

Hardware

Power supply	Via Power-over-Ethernet compliant to IEEE 802.3at/bt
Environment	-30 °C to +65 °C
Housing	Robust metal housing, protection class IP 67, for wall and pole mounting. Note: For installation in salt water environments please use a suitable outer housing. Dimensions 255 × 250 × 80 mm (length x width x depth)

Wi-Fi

Frequency bands	2.4 GHz and 5 GHz, 2,400-2,483.5 MHz (ISM) and 5,150-5,725 MHz (restrictions vary between countries)
Antenna gain	Up to 9 dBi at 2.4 GHz and up to 10 dBi at 5 GHz
Minimum transmission power	Transmission-power reduction in software by 1 dB 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

ETH1 (PoE-in)	10 / 100 / 1,000 / 2,500 Mbps, PoE-in 802.3at/bt (IEEE 802.3at allows operation without PoE passthrough)
ETH2 (PoE-out)	10 / 100 / 1,000 / 2,500 Mbps, PoE passthrough IEEE 802.3at (Prerequisite PoE-in IEEE 802.3bt (60W or more)
Bluetooth Low Energy	BLE 5.1 (internal antenna)

Package content

Cables	Water-resistant, UV-resistant Ethernet cable with screw connector, 15 m
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
Grounding cable	To avoid electrostatic charge

*) The additional power LED statuses are displayed in 5-seconds rotation if the device is configured to be managed by the LANCOM Management Cloud.

The product contains separate components which, as so-called open source software, are subject to their own licenses, in particular the General Public License (GPL). The license information for the device firmware (LCOS LX) can be found via the command line with the command „show 3rd-party-licenses". If required by the respective license, source files for the affected software components are provided on request. For this purpose, please contact us via e-mail at gpl@lancom.de.

Hereby, LANCOM Systems GmbH │ Adenauerstrasse 20/B2 │ D-52146 Wuerselen, declares that this device is in compliance with Directives 2014/30/EU, 2014/53/EU, 2014/35/EU, 2011/65/EU, and Regulation (EC) No. 1907/2006. The full text of the EU Declaration of Conformity is available at the following Internet address: www.lancom-systems.com/doc

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