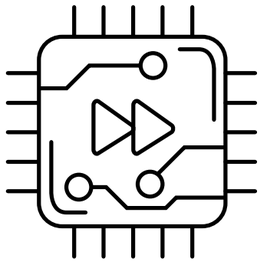
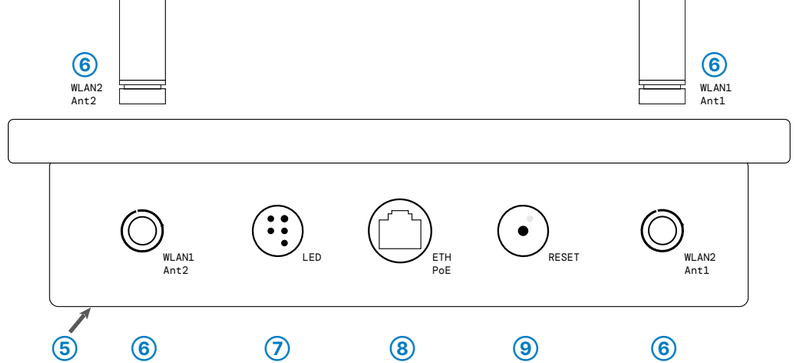
# Hardware Quick Reference

# LANCOM OW-702



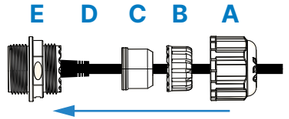



**5 Ground connection (bottom of device)**
Attach the enclosed grounding cable to the housing on one side with the enclosed M3 screw and to a suitable grounding conductor on the other side.

**6 Antenna connectors**
Screw the supplied dualband antennas to the corresponding connectors on the front and back of the device.

**7 LED block**
Display of the operating states of the access point

**8 Ethernet interfaces ETH PoE**
The device is simultaneously powered via the ETH PoE connection.
Prepare to install a waterproof Ethernet cable (e. g., LANCOM OW Ethernet Cable 15/30 m) by sliding the end cap **A** and then the clamp ring **B** over the Ethernet connector **D** on the cable as shown in the adjacent figure. Then place the two seal halves **C** between plug **D** and clamp ring **B** on the cable and join them together. Next, insert plug **D** into LAN1 connector **E** on the device, carefully push all previously assembled parts towards plug **D** and screw the end cap **A** to LAN1 connector **E** on the device.
**Outdoor cable diameter:** 6.5 mm to 8.5 mm
Connect the other end of the network cable to the ‚Power-Out' port of a suitable PoE injector. If required, additionally connect the LAN2 interface to another network device via a waterproof Ethernet cable.




**9 Reset button (accessible after removing the cover)**
To restore the default device configuration, carefully press the reset button in the device with a suitable pointed object through the recess in the housing until the LEDs on the device go out. During the following automatic restart, the device loads the default configuration.


**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.

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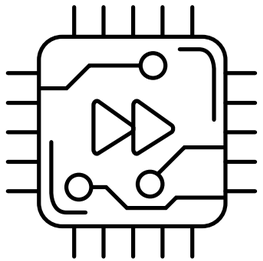

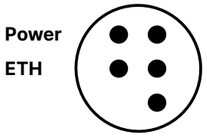


| Power | |
|---|---|
| Off | Device switched off |
| Green, permanently* | Device operational, resp. device paired / claimed and LANCOM Management Cloud (LMC) accessible |
| 1x green inverse blinking* | Connection to the LMC active, pairing OK, device not claimed |
| 2x green inverse blinking* | Pairing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

| ETH | |
|---|---|
| Off | No networking device attached |
| Green, permanently | Connection to network device operational, no data traffic |
| Green, flickering | Data traffic |
| **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, blinking (WLAN2 only) | DFS scanning or other scan procedure |
| **LANCOM Management Cloud** | |
| Green | Connected to LANCOM Management Cloud (LMC) |

| Hardware | |
|---|---|
| Power supply | Via Power-over-Ethernet compliant to IEEE 802.3at |
| Environment | -30 °C to +65 °C |
| Housing | Robust plastic housing, protection class IP 67, for wall and pole mounting.<br>Note: For installation in salt water environments please use a suitable outer housing.<br>Dimensions 225 × 225 × 73.5 mm (depth x width x height) |
| **Wi-Fi** | |
| Frequency bands | 2.4 GHz and 5 GHz, 2,400-2,483.5 MHz (ISM) or 5,150-5,725 MHz (restrictions vary between countries) |
| Antenna gain | 2 dBi at 2.4 GHz and 3 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) |
| Bluetooth Low Energy | The device can detect BLE devices in the neighborhood and forward the data to external systems for analysis. |
| **Interfaces** | |
| LAN1 (PoE) | 10 / 100 / 1,000 / 2,500Mbps auto-sensing, PoE as per IEEE 802.3at |
| Wi-Fi | 4 NJ ports (2 for 2.4 GHz Wi-Fi module, 2 for 5 GHz Wi-Fi module); BLE: internal antenna |
| **Package contents** | |
| Antennas | 4 external dipole dual-band Wi-Fi antennas |
| Mounting kit | Equipment for wall and pole mounting, grounding cable |

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

Hereby, LANCOM Systems GmbH | Adenauerstrasse 20/B2 | D-52146 Wuerselen, declares that this device is in compliance with Directives 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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