LANCOM OAP-821

Quick Reference Guide

**Mounting**

- **Wall mounting:**
  - Mounting the access point with the mounting arm.
  - The connection flange can be rotated about the point up or down by using the locking washer, washer and nut.
  - M8 x 110 bolt with spring screw.

- **Pole mounting:**
  - Installing the access point on a pole, using the mounting arm.
  - The access point is mounted on the pole with the four screws and their washers.

- **Wall mounting with a template:**
  - Fix the mounting arm to the wall with a template.

- **Floor mounting:**
  - Use the mounting arm.

- **Mounting kit:**
  - Equipment for wall and pole mounting, screws included.

- **Cable:**
  - Per LANCOM OAP-821 one waterproof, UV resistant Ethernet PoE cable, screw connector at one end, 15 m.

- **Antennas:**
  - Two 3 dBi dipole dual band antennas.

- **Package content:**
  - LANCOM OAP-821 Bridge Kit.

- **Surge arrestor:**
  - Not included. AirLancer SN-LAN optionally available (item no. 61261).

- **Mounting arm:**
  - Equipment for wall and pole mounting, screws included.

- **Documentation:**

**Technical Details**

- **Radio channels:**
  - 5 GHz: Up to 26 non-overlapping channels (channels available vary according to country regulations; see country declaration).

- **Frequency band:**
  - 2.4 GHz or 5 GHz, 2400-2483.5 MHz (ISM) or 5150-5825 MHz.

- **Environment:**
  - -33° C to +70° C.

- **Power supply:**
  - Via Power over Ethernet, compliant to IEEE 802.3af / IEEE 802.3at.

- **Hardware:**
  - ETH 10 / 100 / 1000 Mbps auto-sensing, PoE as per IEEE 802.3af / IEEE 802.3at.

- **Interfaces:**
  - Radio channels: 5 GHz, Up to 26 non-overlapping channels (channels available vary according to country regulations).

- **Interfaces:**
  - Radio channels: 2.4 GHz, Up to 11 non-overlapping channels (channels available vary according to country regulations).

- **Interfaces:**
  - Ethernet interface (Ethernet Surge Protector 14 SH) supported.

- **Applications:**
  - For various applications, including in the business and enterprise sectors.

- **Certifications:**
  - CE Marking: EU declaration of conformity is available at the following internet address: www.lancom-systems.com/ce/.

- **Internal antenna:**
  - 15° beam angle, 2x2 MIMO, 5 GHz, 18 dBi antenna gain.

- **External antenna:**
  - Two 3 dBi dipole dual band antennas.

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  - Equipment for wall and pole mounting, screws included.

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- **Documentation:**

**Installation Guide**

- **Mounting and connecting the device:**
  - Installing the access point in the desired location.

- **Network configuration:**
  - Setting up the network configuration.

- **Troubleshooting:**
  - Common issues and solutions.

- **Specifications:**
  - Technical specifications and requirements.

- **Warranty:**
  - Terms and conditions of the warranty.

- **Contact:**
  - Customer service and support information.

**Legal Information**

- **Copyright:**
  - All rights reserved. No part of this document may be reproduced in any form without written permission.

- **Disclaimer:**
  - The information in this document is subject to change without notice. LANCOM Systems and its partners shall not be liable for any errors or omissions in this document or for the results obtained from the use of the information contained herein.

- **Open-source components:**
  - This product contains separate open-source software components which are subject to their own licenses, in particular the GNU General Public License.

**Safety Information**

- **Grounding cable:**
  - To avoid electrostatic charge, connect the grounding cable to a suitable grounding system.

- **Covering cap:**
  - Ensures that the unit remains sealed in case an Ethernet port is unused.

- **Surge arrestor:**
  - Per LANCOM OAP-821 one AirLancer Extender SN-LAN.

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**Technical Details**

- **Dimensions:**
  - 15 x 15 x 4.5 cm.

- **Weight:**
  - 2.8 kg incl. the full pole-mounting equipment.

- **Waterproof rating:**
  - IP66/67.

- **Operating temperature:**
  - -33° C to +70° C.

- **Humidity:**
  - 95% RH non-condensing.

- **Protection class:**
  - IP66/67.

- **Interoperability:**
  - 802.11a/b/g/n/ac.

- **Security:**
  - WPA2-Enterprise, WPA2-PSK, WPA-Enterprise, WPA-PSK.

- **WLAN 1 Ant1 WLAN1 Ant2:**
  - Outdoor antennas.

- **Reset button:**
  - Press the reset button on the device to restore the default configuration. Keep the LED block.

- **LEDs:**
  - 3x green inverse: Wi-Fi module activated. The Wi-Fi module is transmitting beacons.
  - 1x green inverse: Wi-Fi module activated. The Wi-Fi module is transmitting beacons.
  - Green, blinking: Wi-Fi module activated. The Wi-Fi module is transmitting beacons.
  - Green, blinking: DFS scanning or other scan procedure.
  - 3x green inverse: At least one Wi-Fi network is defined and operating in client mode.
  - Off: Device switched off.
  - Green, permanently: Device operational, resp. device paired / LMC accessible.
  - Off: No networking device attached.
  - Error: Configuration password not set. Without a configuration password, the configuration (LMC) is unprotected.
  - Pairing error, resp. LMC activation code: The device is switched off. Mounting and connecting the device.

- **Power supply:**
  - Via Power over Ethernet, compliant to IEEE 802.3af / IEEE 802.3at.

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