



AirLancer ON-Q90ag

Dual-band WLAN sector antenna with 90° beam angle and 4x4 MIMO

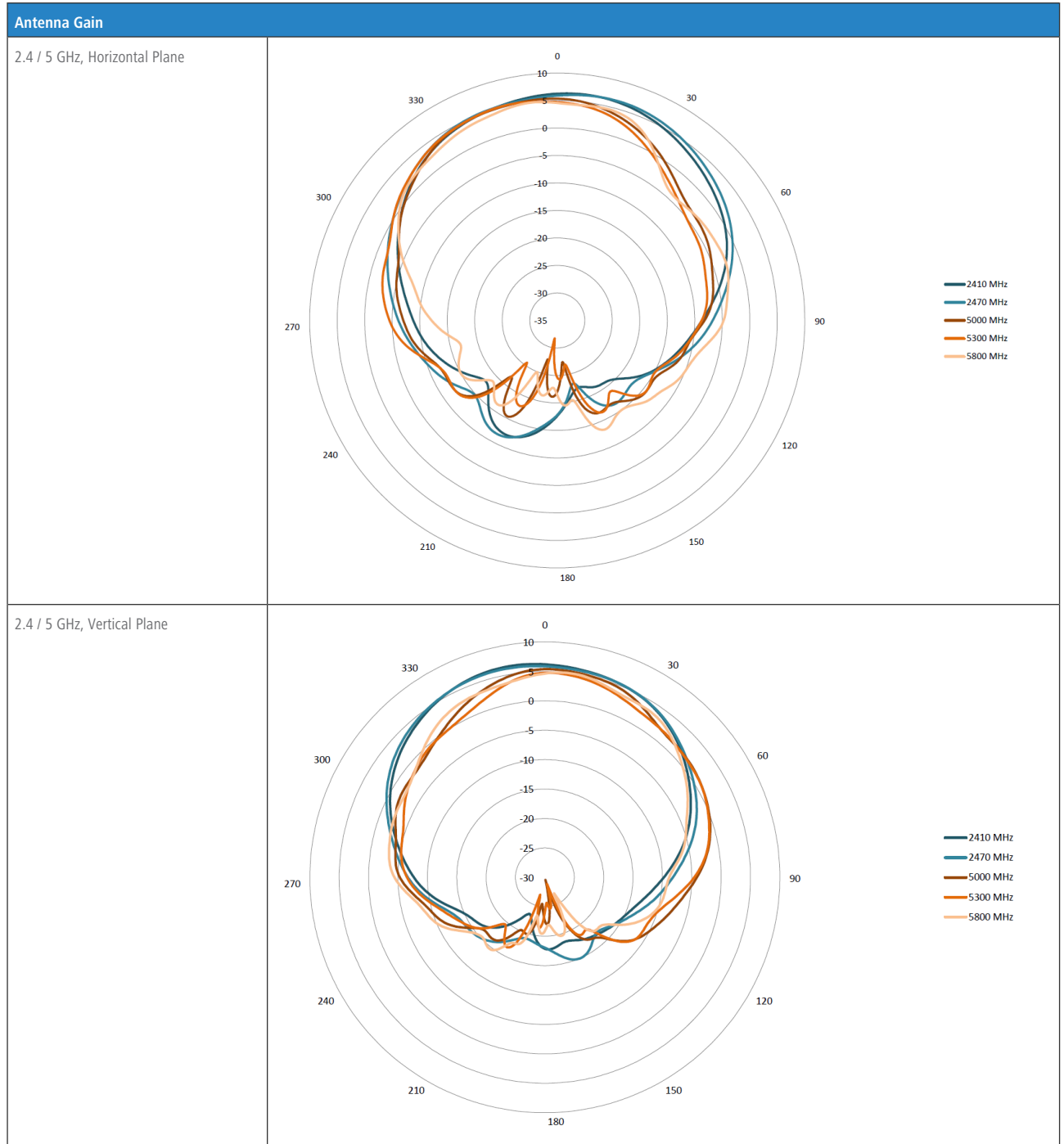
The weatherproof LANCOM AirLancer ON-Q90ag sector antenna is ideal for WLAN coverage over larger areas, including warehouses and factories. With a beam angle of approx. 90° it is also suitable for connections to several surrounding buildings (point-to-multipoint). With 4x4 MIMO support, it ensures maximum performance for reliable WLAN client connectivity in difficult environments, especially where reflections and scattering occur. It is ideal in combination with dual-radio access points to offer parallel operation at 5 GHz with 2x2 MIMO and 2.4 GHz with 2x2 MIMO.

- WLAN sector antenna with approx. 90° beam angle and +6 dBi at 2.4 GHz and +5 dBi gain at 5 GHz
- 4x4 MIMO technology for reliable WLAN coverage in harsh environments
- 2x2 + 2x2 MIMO operation with LANCOM dual-radio access points for parallel operation at 2.4 and 5 GHz
- Mounting kit, cables and adapters included
- Flexible pole mounting via optionally available AirLancer Mount (ON)
- Connects to LANCOM indoor access points via the optionally available adapter AirLancer AN-RPSMA-NJ

AirLancer ON-Q90ag

| Technical Information | |
|--------------------------------------|--|
| Frequency range | 2400 Mhz - 2500 Mhz and 4900 Mhz - 5900 Mhz |
| Impedance | 50 Ohm |
| Polarization | -45°, +45°, -45°, +45° |
| Gain | 6 dBi @ 2,4Ghz and 5 dBi @ 5Ghz |
| Half-Power-Beam-Width horizontal | 100° @ 2.4Ghz and 80° @ 5Ghz |
| Half-Power-Beam-Width vertical | 90° @ 2.4Ghz and 65° @ 5Ghz |
| VSWR | typ. 1.5:1 - max. 2.0:1 |
| Mechanical Information | |
| Connectors & Cables | 4 x 81,2cm UV stable RG-316 cable with N-Plug |
| Dimensions | 200 mm (L) x 200 mm (W) x 34 mm (H) |
| Weight | 0.45 kg |
| Housing material | UV resistant plastic |
| Color | lightgray |
| Operating temperature | -40° to 70°C |
| Article | |
| Recommended use case | Point-to-Multipoint radio links / Sector coverage |
| Mounting material | Simple wall mount included. Optional AirLancer Mount (ON) for precise wall and pole mounting. |
| Support | |
| Warranty | 2 years support |
| Accessories | |
| Antenna cable | AirLancer cable NJ-NP 3m, item no. 61230, AirLancer cable NJ-NP 6m, item no. 61231, AirLancer cable NJ-NP 9m, item no. 61232 |
| Adapter | AirLancer AN-RPSMA-NJ adapter to connect ON Antennas to LANCOM Indoor Access Points and IAPs, item no. 61259 |
| Surge arrester (antenna cable) | AirLancer SN-ANT surge arrester (2.4 and 5 GHz), to be integrated between Access Point and antenna, item no. 61258 |
| Wall- and Pole-Mount | AirLancer Mount (ON) for adjustable wall and pole mounting, item no. 61260 |
| Fit for the following LANCOM devices | |
| Outdoor | LANCOM OAP Series 32x and 8xx |
| Indoor | All LANCOM Indoor Access Points and IAPs via separately available Adapter AirLancer AN-RPSMA-NJ* |
| *) Note | You need one adapter per antenna connector |
| Item number(s) | |
| AirLancer ON-Q90ag | 61247 |

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