

# AirLancer ON-QT90

90° outdoor Wi-Fi sector antenna with 4x4 MIMO



The weatherproof LANCOM AirLancer ON-QT90 sector antenna with a beam angle of 90° is ideal for Wi-Fi coverage over larger areas, such as warehouses and factories. With 4x4 MIMO support, it ensures maximum performance for reliable Wi-Fi client connectivity in difficult environments, especially where reflections and scattering occur. Due to its tri-band capability on all four ports, this antenna is perfect for mixed operation in the 2.4, 5, and 6 GHz bands.

- WLAN sector antenna with approx. 90° beam angle and +6 dBi gain in 2.4 GHz, 5 GHz, and 6 GHz
- 4x4 MIMO technology for reliable WLAN coverage in harsh environments
- Future-proof due to support of the new 6 GHz band
- Mounting kit for wall and pole mounting, cable and adapter included
- Connects to LANCOM indoor access points via the adapter AirLancer AN-RPSMA-NJ
- Especially suitable for use with the LANCOM outdoor access points OX-6402 and OW-602

# AirLancer ON-QT90

## Technical Information

Frequency range	2400 MHz - 2500 MHz and 4900 - 7125 MHz
Impedance	50 Ohm
Polarization	-45°, +45°, -45°, +45°
Gain	6 dBi @ 2,4 GHz and 6 dBi @ 5GHz
Half-Power-Beam-Width horizontal	95° @ 2.4Ghz and 99° @ 5Ghz
Half-Power-Beam-Width vertical	97° @ 2.4 GHz and 60° @ 5 GHz
VSWR	typ. 1.5:1 - max. 2.0:1

## Mechanical Information

Connectors & Cables	4 x 100cm UV stable ULA100 cable with N-Plug
Dimensions	233.7mm x 183.7mm x 40mm
Weight	0.9 kg
Housing material	UV resistant plastic
Color	lightgray
Operating temperature	-40° to 85°C

## Article

Recommended use case	Point-to-Multipoint radio links / Sector coverage
Mounting material	articulating wall and pole mount accessories included

## 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 SurgeProtect surge arrester (2.4 and 5 GHz), to be integrated between Access Point and antenna, item no. 61257

# AirLancer ON-QT90

---

**Fit for the following LANCOM devices**


---

Outdoor	LANCOM OAP Series 32x, 82x, 170x, OW-602 and OX-6402 (with external antenna connectors)
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)**


---

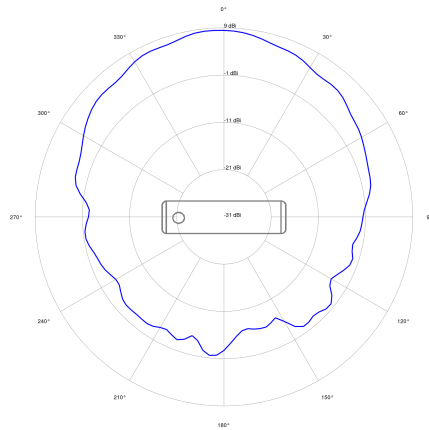
AirLancer ON-QT90	61264
-------------------	-------

---

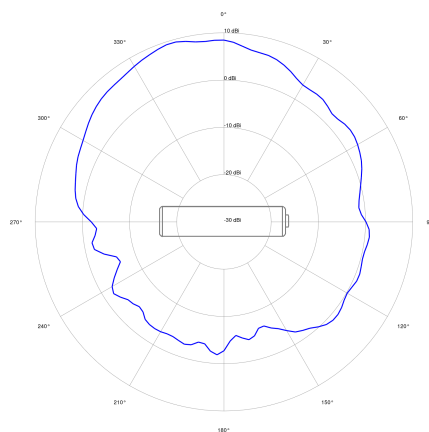
**Antenna Gain (combined gain of all antenna elements)**


---

2.4 GHz, Azimuth Plane



2.4 GHz, Elevation Plane



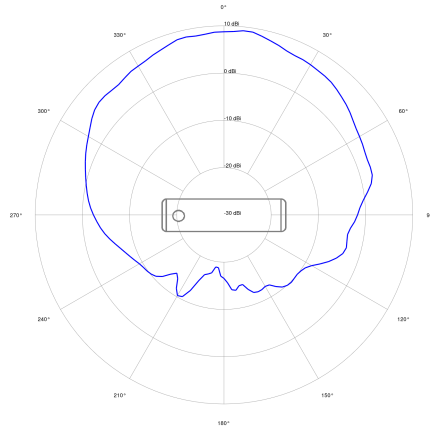
# AirLancer ON-QT90

---

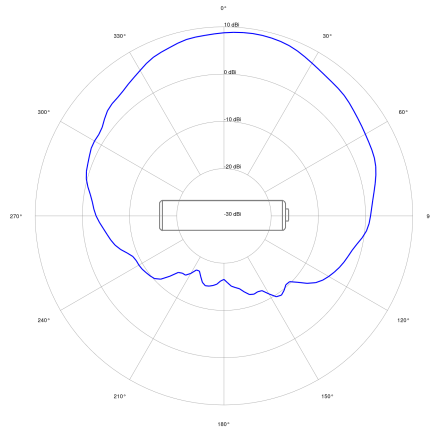
## Antenna Gain (combined gain of all antenna elements)

---

5.25 GHz, Azimuth Plane



5.25 GHz, Elevation Plane



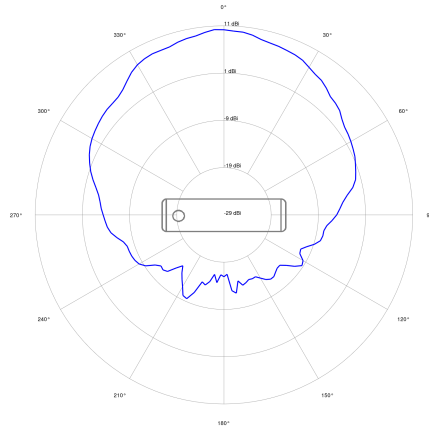
# AirLancer ON-QT90

---

**Antenna Gain (combined gain of all antenna elements)**

---

5.6 GHz, Azimuth Plane



5.6 GHz, Elevation Plane

