

AirLancer ON-T90ag

Dual-band WLAN sector antenna with 90° beam angle and 3x3 MIMO



The weatherproof LANCOM AirLancer ON-T90ag 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 3x3 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 1x1 MIMO.

- WLAN sector antenna with approx. 90° beam angle and +6 dBi at 2.4 GHz and +5 dBi gain at 5 GHz
- 3x3 MIMO technology for reliable WLAN coverage in harsh environments with up to 1,300 Mbps
- 2x2 + 1x1 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-T90ag

Technical Information

Frequency range	2400 Mhz - 2500 Mhz and 4900 Mhz - 5900 Mhz
Impedance	50 Ohm
Polarization	-45°, vertical, +45°
Gain	6 dBi @ 2.4Ghz and 5 dBi @ 5Ghz
Half-Power-Beam-Width horizontal	100° @ 2.4Ghz and 75° @ 5Ghz
Half-Power-Beam-Width vertical	90° @ 2.4Ghz and 60° @ 5Ghz
VSWR	typ. 1.5:1 - max. 2.0:1

Mechanical Information

Connectors & Cables	3 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
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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

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Fit for the following LANCOM devices

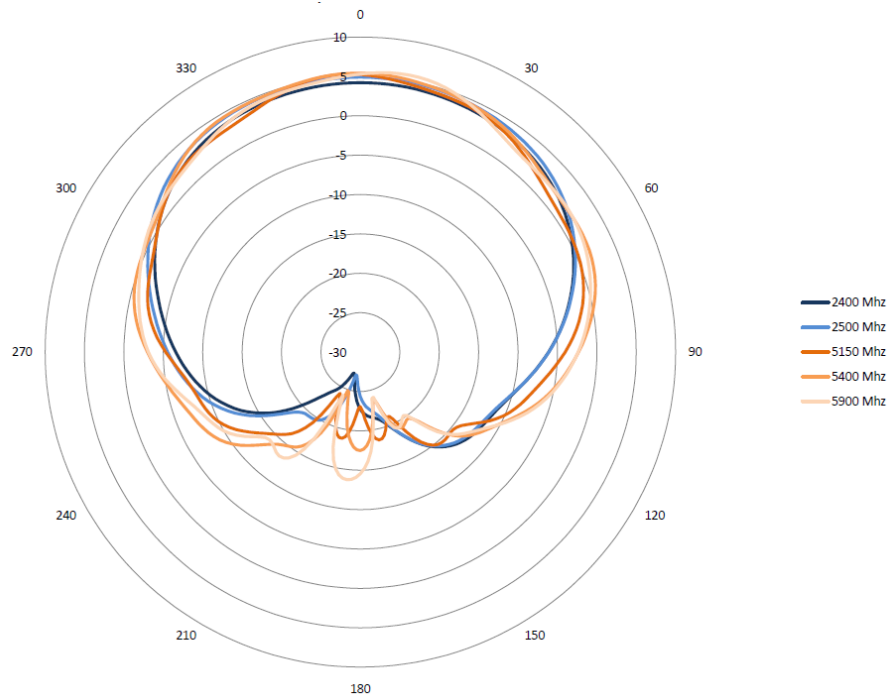
Outdoor	LANCOM OAP Series 32x, 82x and 170x (with external antenna connectors)
Indoor	All LANCOM Indoor Access Points and IAPs via separately available Adapter AirLancer AN-RPSMA-NJ*
*) Note	You need one adapter per antenna connector

Item number(s)

AirLancer ON-T90ag	61241
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Antenna Gain

2.4 / 5 GHz, Horizontal Plane



AirLancer ON-T90ag

Antenna Gain

2.4 / 5 GHz, Vertical Plane

