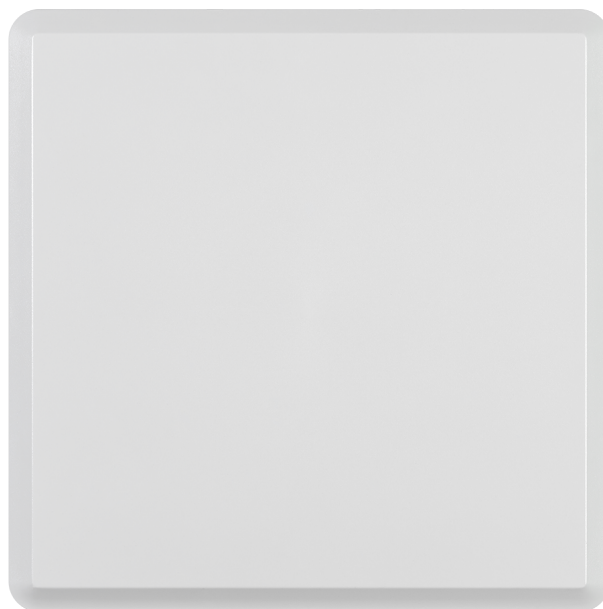


# R&S® AirLancer ON-D8a

**8° outdoor Wi-Fi directional antenna with 2x2 MIMO**



The weatherproof R&S® AirLancer ON-D8a outdoor directional antenna is ideal for establishing high-speed point-to-point links for bridging distances of several kilometers via Wi-Fi in outdoor areas. Thanks to 2x2 MIMO technology, radio links with reliably high performance can be established, especially in combination with the R&S® LANCOM Outdoor Access Point OW-602. Cables and adapters are included in the mounting kit for attachment to walls or masts.

- ▶ WLAN directional antenna with 8° beam angle and +21 dBi gain (5 GHz)
- ▶ 2x2 MIMO technology for long-distance point-to-point links
- ▶ Mounting kit for wall and pole mounting, cable, and adapter included
- ▶ Especially suitable for use with the R&S® LANCOM outdoor access point OW-602 or alternatively with the OX-6402

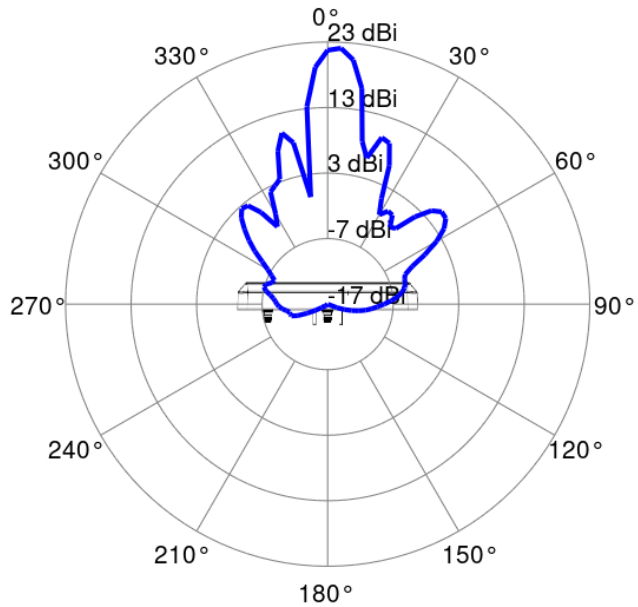
# R&S® AirLancer ON-D8a

Technical Information	
Frequency range	4900 Mhz - 5900 Mhz
Impedance	50 Ohm
Polarization	Dual linear, horizontal and vertical
Gain	21 dBi
Half-Power-Beam-Width horizontal	8°
Half-Power-Beam-Width vertical	8°
VSWR	typ. 1.5:1 - max. 2.0:1
Mechanical Information	
Connectors & Cables	2 x N-Jack - 2 x 100cm NP-NP Adapter
Dimensions	370 mm (L) x 370 mm (W) x 30 mm (H)
Weight	1.9 kg
Housing material	UV resistant plastic
Color	lightgray
Operating temperature	-40° to 85°C
Article	
Recommended use case	Point-to-Point radio link
Mounting material	Wall and pole mount included
Support	
Warranty	2 years support
Accessories	
Antenna cable	R&S® AirLancer cable NJ-NP 3m, item no. 61230, R&S® AirLancer cable NJ-NP 6m, item no. 61231, R&S® AirLancer cable NJ-NP 9m, item no. 61232
Adapter	R&S® AirLancer AN-RPSMA-NJ adapter to connect ON Antennas to R&S® LANCOM Indoor Access Points and IAPs, item no. 61259
Surge arrester (antenna cable)	R&S® AirLancer SurgeProtect surge arrester (2.4 and 5 GHz), to be integrated between Access Point and antenna, item no. 61257
Fit for the following LANCOM devices	
Outdoor	R&S® LANCOM OW and OX series (with external antenna connectors)
Indoor	All R&S® LANCOM Indoor Access Points and IAPs via separately available Adapter R&S® AirLancer AN-RPSMA-NJ*
*) Note	You need one adapter per antenna connector
Item number(s)	
AirLancer ON-D8a	61708

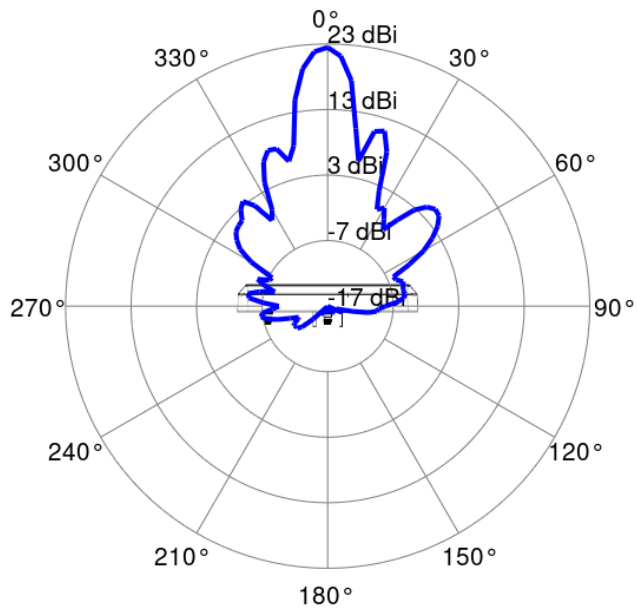
# R&S® AirLancer ON-D8a

Antenna Gain (combined gain of all antenna elements)

5.6 GHz, Azimuth Plane



5.6 GHz, Elevation Plane



Rohde & Schwarz Networks and Cybersecurity GmbH  
Adenauerstr. 20/B2  
52146 Wuerselen | Germany  
[info.rs-nc@rohde-schwarz.com](mailto:info.rs-nc@rohde-schwarz.com) | [www.rohde-schwarz.com/networks-and-cybersecurity](http://www.rohde-schwarz.com/networks-and-cybersecurity)

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Make ideas real

