

Dual band WiFi 5 GHz / 5G



Combined dual band WiFi- and 5G-antenna professional use for in- and outdoor

Professional sector antenna for 5 GHz (Wi-Fi) and, simultaneously, for 5G campus networks (3.8 GHz) for indoor and outdoor use. Designed for precise coverage of hotspots, halls, production areas, high-rack warehouses, etc. The antenna array is designed for both frequency ranges, each with two polarization planes – horizontal and vertical – and can be operated simultaneously with a Wi-Fi access point and a RAN (2T/2R). Both the Wi-Fi AP and the RAN should have two antenna outputs for this purpose. The vertical stacking of two patch elements each results in a narrowing of the radiation pattern in the elevation plane – from top to bottom. The two polarization planes provide two different transmission paths for the radio signals per frequency band.

To achieve an IP64 rating, the standard sockets must be connected to standard plugs with rubber gaskets. A built-in pressure element prevents condensation from entering during significant temperature fluctuations. The antenna system can be screwed to a wall using the mount brackets. The included stainless steel mounting brackets are required for mounting on a mast.

Main features

- Polarization horizontal and vertical
- Connector: 2x 2.2-5 sockets for WiFi (5 GHz) and 2x 2.2-5 sockets for 5G (3.8 GHz)
- IP classification: IP64 with sealed plugs
- Maximal power: 2 watts

Dual band WiFi 5GHz / 5G P2x2 spezifikation

TECHNICAL DATA

TYPE	2x 2x2 patch group
FREQUENCY	5.6 GHz $\pm$ 200 MHz and 3.8 GHz $\pm$ 100 MHz
POLARIZATION	horizontal und vertical
ANTENNA GAIN	10.5 dBi
ANTENNA ANGLE	Azimet: $\sim 75^\circ$, Elevation: $\sim 37.5^\circ$
SOCKET	4x 2.2-5 (IEC 46F/394/NP) socket
HOUSING	ABS (L320 ISO 2580-ABS) w/ pressure element
COLOR	RAL 9002
SEAL	TPE
HOUSING DIMENSIONS WO/ SOCKETS	180 x 180 x 60 mm
HOUSING DIMENSIONS W/ SOCKETS	210 x 180 x 60 mm
WEIGHT W/ MOUNTING PLATE / BRACKETS	975 grams
IP- CLASSIFICATION	IP64 w/ closed sockets
ANTENNA MATERIAL	Aluminum
DIRECTION OF MOUNTING	Antenna sockets faced down
MAXIMUM RF-POWER (PEP)	2 watts
The mounting hardware allows the antenna to be tilted up to approximately 65°	

