



5,15 - 5,85 GHz Grid Antenna

order no. 18686.5



Robuste Alu-Gitterspiegel für 5,15 – 5,85 GHz WLAN. Die WLAN-Gitterspiegel aus gegossenem Aluminium kombinieren sehr hohe Stabilität und geringe Windlast für lange Einsatzdauer der Antennen. Die speziell entworfenen Spiegelformen bieten ca. 29 dBi Gewinn. Durch die geteilte Bauform des 90x70cm Spiegels ist das Packmaß besonders klein, das wirkt sich positiv auf die Versandkosten aus. Eine Neige/Schwenkhalterung für Mastmontage ist im Lieferumfang enthalten. Anschluß: N-Buchse.

Features:

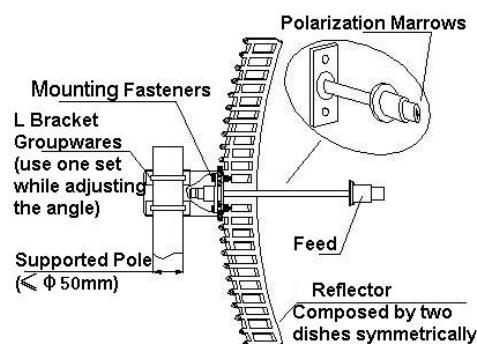
- UV Resistant powder coat finish
- Rugged outdoor construction
- Quick and easy installation
- Light weight and low wind resistance
- Azimuth and elevation continuous adjustment

Application:

- Ultra-secure wireless LAN point-to-point communication
- Can be used as client antennas in a wireless network or in similar proprietary standards operating in the 5,15 – 5,85 GHz frequency band.
- Long range CPE installation
- Long range Point-to-Point Links

Freq.Range-MHz	5150 to 5850
Bandwidth-MHz	700
Gain-dBi	29.5
Beamwidth-°	E:6 H:4
F/B Ratio-dB	≥25
VSWR	≤1.5
Impedance-Ω	50
Polarization	Vertical or Horizontal
Max.Power-W	100
Rated Wind Velocity-m/s	60
Connector	N female
Dimensions-m	0.6x0.9
Weight-Kg	4.5
Mast Diameter-mm	40-50 dia.

Rugged WiFi grid dish antennas. The 90 cm x 70 cm grid reflector yields a 5,15 – 5,85 GHz grid with gain of 29 dBi. New parabolic 90 x 70 cm aluminium diecast grid, very rugged and insensitive to harsh weather conditions. The design is such that the grid is moulded in two halves (split-design) which results in a 65% reduction in packaging volume. The feed design also optimises aperture efficiencies which gives significantly higher gain when compared to similar grid antennas. A tilt/swivel mount for pole mounting is included. Connection: N-Type (female).



Installation ways:

1. Combine two dishes symmetrically to compose a parabolic groupware.
2. Install the feed to the dish as per the sketch, ensure that the direction of the "polarization arrow" on the feed is the same with the direction of the grid. When the direction of the arrow and the grid are both vertical with the ground, the antenna is in vertical polarization state. When the direction of the arrow and the grid are both horizontal with the ground, the antenna is in horizontal polarization state.
3. Install the L bracket to the dish, then place the antenna to the supported pole as per the sketch.
4. Test the receiving signal by instruments, adjust the azimuth angle and the pitching angle to enlarge the receiving signal. Tighten all the nuts and seal the connector for joining the antenna and the feed.

WiMo Antennen und Elektronik GmbH

Am GÄXWALD 14, D-76863 HERXHEIM Tel. (07276) 96680 FAX 9668-11
<http://www.wimo.com>

e-mail: info@wimo.com