

4.9 – 6.1 GHz High Gain Dual Polarized antenna designed to provide full coverage for the 5GHz frequency band

Features

- Dual Slant when mounted diagonally
- Stable and Efficient performance
- High Gain
- Polycarbonate UV protected radome
- Durable construction allows harsh weather installations
- Flexible mounting for Azimuth /Elevation adjustment & 45° turn installation



Technical Specifications

Electrical			
Frequency Range	4.9-5.15 GHz	5.15-5.875 GHz	5.875-6.1 GHz
Gain			
Vertical Polarization	28.5±0.5 dBi	29±0.5 dBi	28.5±0.5 dBi
Horizontal Polarization	28±0.5 dBi	28.5±0.5 dBi	28±1 dBi
VSWR, max.	2:1	1.7:1	2:1
Polarization			
Dual Pole	Dual Polarization Vertical &Horizontal		
Dual Slant (optional)	± 45°		
3dB Beam Width, H-Plane, typical	5.2°	4.7°	4.4°
3dB Beam Width, E-Plane, typical	5.2°	4.7°	4.4°
Side Lobes, min.	ETSI TS3		
Cross Polarization, min.			
Vertical Polarization	-26dB	-23dB	-23dB
Horizontal Polarization	-25dB	-23dB	-20dB
Front to Back Ratio, min.	ETSI TS3		
Port to Port Isolation, typical	-30dB		
Input Power, max.	10 Watt		
Input Impedance	50 Ohm		
Lightning Protection	DC Grounded		
Mechanical			
Dimensions (HxWxD)	600 x 600 x 22 mm (23.5"x 23.5"x0.9" inch)		
Weight	4.7kg		
Connector	2x N-Type Female		
Back Plane	Aluminum, protected through chemical passivation		
Radome	UV Protected, Polycarbonate		
Mount	MNT-60		
Environmental			
Operating Temperature Range	- 40°C to + 65°C		
Vibration	According to IEC 60721-3-4		
Wind Load	200km/h (survival)		
Flammability	UL94		
Water Proofing	IP-67		
Humidity	ETS 300 019-1-4,EN 302 085 (Annex A.1.1)		
Salt Fog	According to IEC 68-2-11		