

2300 - 2700MHz Omni Antenna (Dual Port, Omni, +/-45° Polarisation, Fixed Tilt)

*The parameters in this specification follow the definitions and recommendations per NGMN P-Basta, Release 9.6

RF Specifications

Frequency Range per Input	MHz	2300 - 2700
Polarisation:	NA	+/-45° Slant Linear
Gain		
Over all Tilts	dBi	11
Azimuth Beamwidth	Degree	360
Elevation Beamwidth	Degree	8
Electrical Downtilt:	Degree	T4°
Electrical Downtilt Deviation	Degree <	1
Impedance	Ohms	50
VSWR	NA <	1.5
Return Loss:	dB >	14
Isolation	dB >	25
Upper Sidelobe Suppression, Peak to 20°	dB >	15
Cross Polar Discrimination at Sector	dB >	10
Maximum Effective Power Per Port	W	50



Mechanical Specifications

Dimensions (LxØ) mm (in)	mm (in)	970 (38.1) x 168 (6.6)
Packing Size (LxWxD)	mm (in)	1150 (45.2) x 200 (7.8) x 200 (7.8)
Net Weight (antenna)	kg (lb)	5.5 (12.1)
Net Weight (mount)	kg (lb)	1.0 (2.2)
Shipping Weight	kg (lb)	8.1 (17.8)
Connector Quantity	NA	2 x N Type Female
Connector Position	NA	Bottom
Windload calculation	km/h	$F=1/2*\rho*(Cdp*\lambda)*v^2*A$
Windload Frontal	N	308
Windload Lateral	N	308
Survival Wind Speed	km/h	200 (125)
Radome Material	NA	UV-Stabilised PVC
Radome Colour	RAL	White
Product Compliance Environmental	NA	RoHS
Lightening Protection	NA	DC Grounded
Cold Temperature Survival	Celsius	-40
Hot Temperature Survival	Celsius	+ 70