

Product Data Sheet

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KP-5QOMNI-13

4-port OMNI antenna, 5150-5950 MHz, 13 dBi, Horizontal/Vertical Polarization

- Two vertically stacked OMNI arrays in single radome enclosure with one mounting point
- Supports one 4x4 MIMO or two 2x2 MIMO radios

Electrical Specification

Frequency Band	MHz	5150—5950
Gain	dBi	13
Polarization		Horizontal/Vertical
Horizontal HPBW	Degree	360
Vertical HPBW	Degree	7±1
Electrical Downtilt	Degree	2
Cross-polarization Ratio	dB	20
VSWR		1.5 typ 2 max
Return Loss	dB	14 typ 10 max
Port-to-Port Isolation	dB	25
Max. Input Power per Port	W	100
Impedance	Ohms	50

Mechanical Specifications

RF Connector Type	Type N Female
RF Connector Quantity	4
RF Connector Position	Bottom of radome
Electrical Grounding	RF connector grounded to reflector and mounting bracket
Radome Material	UV resistant PVC
Ingress Protection	IP55 rain and dust resistant
Operating Temperature	-40° to +65° C
Max. Wind Speed	210km/h 130mph

Bracket Specifications

Material Type	Power Coated Galvanized Steel
Mounting Type	Pipe Mount
Mounting pole diameter	40 mm – 60 mm 1.6 in – 2.4 in

OMNI Dimensions

Diameter	84mm 3.3 in
Length	1016 mm 40 in
Net Weight, with brackets	3.2 kg 7.0 lb

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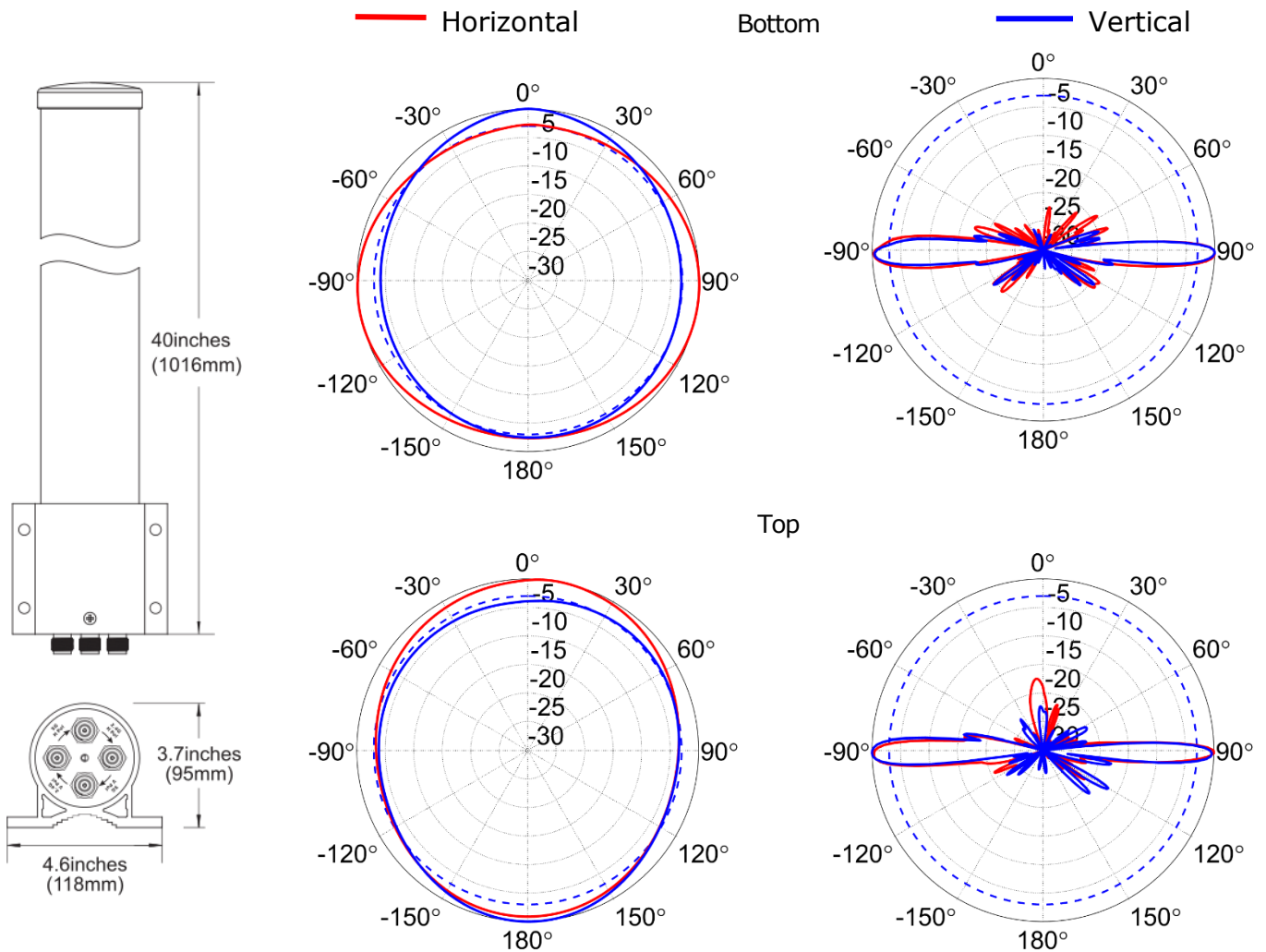
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Package Dimensions

Length	1118 mm		44 in
Width	127 mm		5 in
Height	102 mm		4 in
Net Weight	3.2 kg		7.2 lb

Graphical Data



Appendix

HPBW: Average and variation of the antenna's 3dB beamwidth in its horizontal (Azimuth) or vertical (Elevation) pattern.

Electrical Downtilt: Angle in the antenna's elevation pattern in which the maximum gain occurs.

Gain: Antenna's average gain and variation in each frequency band.

Cross-polarization Ratio (dB): Maximum difference between the co-polarization and cross-polarization gain across the OMNI's 360deg azimuth pattern.