

P4900M Antenna Specifications

STANDARD INTEGRATED ANTENNA (P4900M-INT-18)

Frequency range:	4950-5850 MHz
Gain:	19 dBi +/- 1 dB
Front/Back Ratio	>30 dB
E-Plane Beamwidth:	> 18 degrees typical
H-Plane Beamwidth:	> 18 degrees typical
Polarization:	Vertical and Horizontal
Port/Port Isolation:	20 dB typ
Cross Pol Rejection:	20 dB typ
VSWR:	<1.7:1
Package:	Aluminum backplate with US Stabel ABS radome.
Dimensions:	8.5" x 7.75" x 1.25" (216mm x 197mm x 32mm)
Weight:	2lbs (.91Kg)
Mounting Provisions:	Mounting kit supplied for up to 3"diam pole or flat surface
Azimuth/EI Adjust:	+/-30 degrees
Sealing:	Water tight to 1 meter IEC 529/IP67
Temp Range:	-40 deg F to +160 deg F (-40 deg C to +60 deg C)
Wind speed operational:	100 mph (160 km/hr)
Wind speed survival :	140 mph (220 km/hr)

STANDARD INTEGRATED ANTENNA (P4900M-INT-22)

Frequency range:	4950-5850 MHz
Gain:	23 dBi +/- 1 dB
Front/Back Ratio	>35 dB
E-Plane Beamwidth:	> 9 degrees typical
H-Plane Beamwidth:	> 9 degrees typical
Polarization:	Vertical and Horizontal
Port/Port Isolation:	40 dB typ
Cross Pol Rejection:	25 dB typ
VSWR:	<1.7:1
Package:	Aluminum backplate with US Stable ABS radome.
Dimensions:	14.56"x 14.56"x 1.58" (371mm x 371mm x 40mm)
Weight:	5.5 lbs (2.5 kg)
Mounting Provisions:	Mounting kit supplied for up to 3"diam pole or flat surface
Azimuth/EI Adjust:	+/-30 degrees
Sealing:	Water tight to 1 meter IEC 529/IP67
Temp Range:	-40 deg F to +160 deg F (-40 deg C to +60 deg C)
Wind speed operational:	100 mph (160 km/hr)
Wind speed survival :	140 mph (220 km/hr)

STANDARD EXTERNAL ANTENNA (P4900M-EXT)
mWave Model RPD2-54-N

Frequency range:	4950-5850 MHz
Gain:	26.5 dBi +/- 1 dB
Front/Back Ratio	>35 dB
E-Plane Beamwidth:	> 7 degrees typical
H-Plane Beamwidth:	> 7 degrees typical
Polarization:	Vertical and Horizontal
Connector:	N Female
Port/Port Isolation:	40 dB typ
Cross Pol Rejection:	28 dB typ
VSWR:	<1.5:1
Material:	Aluminum construction.
Dimensions:	2 foot diameter
Weight:	TBD lbs (TBD kg)
Mounting Provisions:	Mounting kit supplied for up to 1.9-4.5" diam pole
Temp Range:	-40 deg F to +160 deg F (-40 deg C to +60 deg C)
Wind speed operational:	100 mph (160 km/hr)