

Outdoor Enclosure with 5GHz 25dBi Panel Antenna



Model: MPE-5N25

KEY FEATURES

- Dual Polarization Directional Antenna
- 25dBi Long Distance Antenna
- High Isolation of > 45dB for entire 5GHz spectrum
- Weatherproof IP66 Enclosure

APPLICATIONS

- Outdoor Long Distance Point-to-Point (PtP) AP
- Point-to-MultiPoint (PtMP) AP
- Outdoor Mesh AP
- 2x2 802.11ac Radio Outdoor Solutions
- 2x2 802.11an Radio Outdoor Solutions

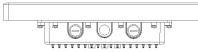
Enclosure Specifications

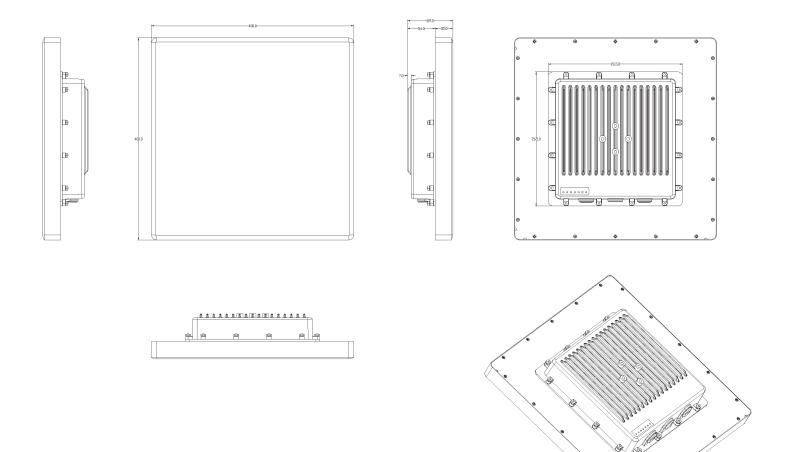
Material	ABS/PC, Flame Retardant	
Color	White	
Weight	3.4kg	
Outside Dimensions (H x W x D)	400mm x 400mm x 89.5mm	
Inside Dimensions (H x W x D)	230mm x 230mm x 45mm	
Integrated Antenna	5GHz 25dBi panel antenna	
Casing	Weatherproof Structure	
Rating of Enclosure	IP66	
Mounting	Pole Mount	
Grounding Terminal	Built-in Grounding Terminal	



ACCESSORIES

Dimensional Drawing



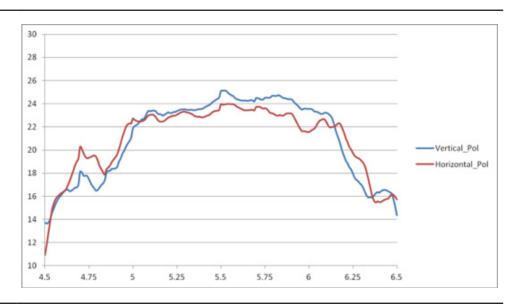


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Antenna Element Specifications

Gain	25dBi
Radiation	Directional
Connectors	2x MMCX or U.FL Antenna Connectors
Frequency Range	5.18 ~ 5.85 GHz
Polarization	Dual Polarization
Azimuth -3dB Beamwidth	Horizontal (Port 2) : 9 degrees, Vertical (Port 1) : 9 degrees
Elevation -3dB Beamwidth	Horizontal (Port 2) : 8 degrees, Vertical (Port 1) : 8 degrees
Isolation	45dB (Min)
Front-to-Back Ratio	30dB (Min)
VSWR	Horizontal (Port 2) : < 1.7:1, Vertical (Port 1) : < 1.7:1
SideLobe	< -10dB
Dimensions of antenna PCB (H x W x D)	300mm x 298mm x 1mm
Dimensions of metal ground plane	398mm x 398mm x 2.5mm

reflector (H x W x D)





Marker 2 5.900000000 GHz 🗧 Marker 1 Marker 2 Marker: 1 of 3 Marker 3 Of 10.00dB. 0.00dB LogM <mark>822</mark> 10.00dB/ 0.00dB LogM Status CH 1: \$21 C 2-Port Smooth=1.00% LCL

S-Parameters Graph: **Return Loss** and Isolation

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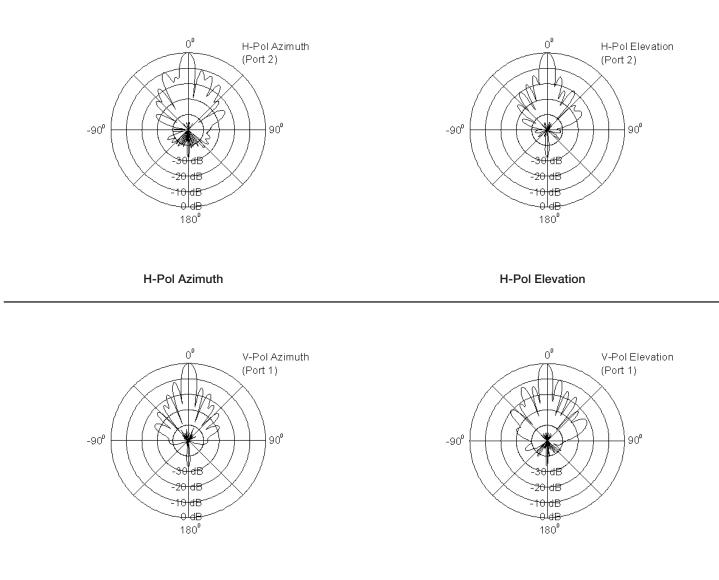


ACCESSORIES

Antenna Element Specifications

V-Pol Azimuth

Polar Plots (At 5.6 GHz)



V-Pol Elevation

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