

Outdoor Enclosure with 2.4GHz 11dBi Panel Antenna



Model: MJE-2.4N11

KEY FEATURES

- Weatherproof IP53 Enclosure
- 11dBi Long Distance Antenna

APPLICATIONS

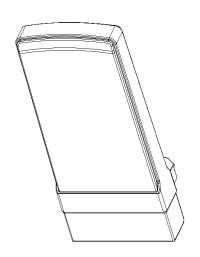
- Outdoor Long Distance Point-to-Point (PtP) AP
- Point-to-MultiPoint (PtMP) AP
- Outdoor Mesh AP

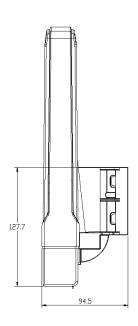
Enclosure Specifications

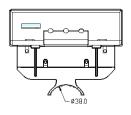
Material	ABS/PC, Flame Retardant, UV resistant
Color	White
Weight	0.5kg
Outside Dimensions (H x W x D)	278.5mm x 122.2mm x 94.5mm
Integrated Antenna	2.4GHz 11dBi panel antenna
Ethernet Interface	RJ45
Casing	Weatherproof Structure
Rating of Enclosure	IP53
Mounting	Pole Mount or Wall Mount

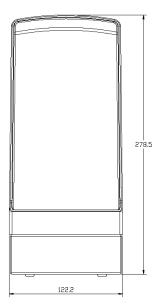


Dimensional Drawing









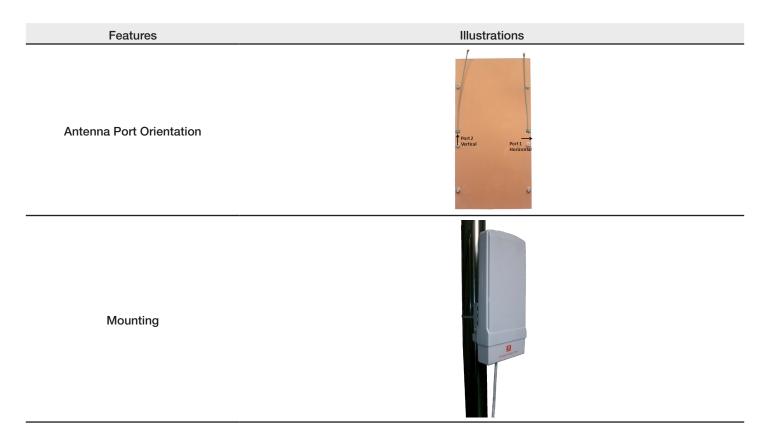








Features and Illustrations



Antenna Element Specifications

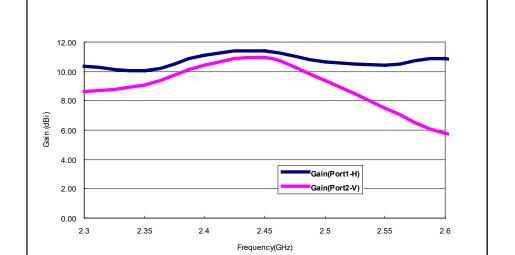
Gain	11dBi
Radiation	Directional
Connectors	2x U.FL or MMCX Antenna Connectors
Frequency Range	2.3 ~ 2.5 GHz
Polarization	Dual Polarization
Azimuth -3dB Beamwidth	Horizontal (Port 1) : 56 degrees Vertical (Port 2) : 62 degrees
Elevation -3dB Beamwidth	Horizontal (Port 1) : 38 degrees Vertical (Port 2) : 26 degrees



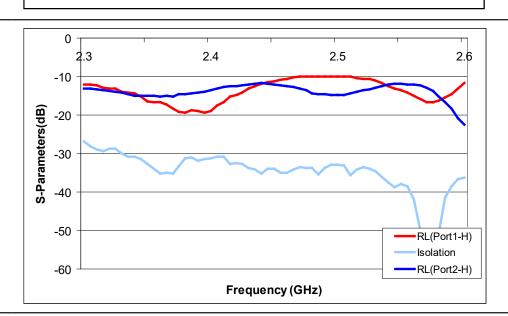


Antenna Element Specifications

Isolation	30dB (Min)
Front-to-Back Ratio	24dB (Min)
VSWR	Horizontal (Port 1) : < 1.97:1 Vertical (Port 2) : < 1.67:1
Cross Polarization Isolation	30dB (Min)
SideLobe	< -12dB



Gain Plot

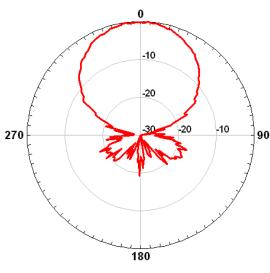


Return Loss and Isolation Plot

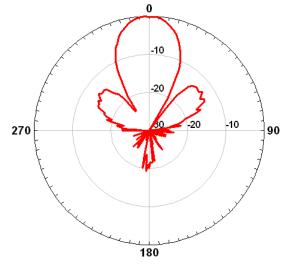


Antenna Element Specifications

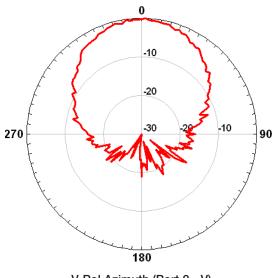
Polar Plots (At 2.45 GHz)



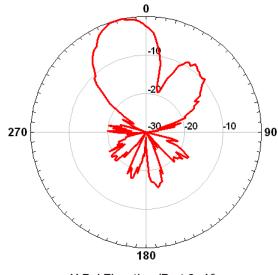
H-Pol Azimuth (Port 1 - H)



H-Pol Elevation (Port 1 - H)







V-Pol Elevation (Port 2 - V)

