

## OA25-0406

# DUAL-BAND OMNIDIRECTIONAL ANTENNA 6dBi



The OA25-0406 is an Omnidirectional dual-band antenna that operates in the frequency ranges of 2400 to 2500MHz and 5150MHz to 5850MHz. This vertically polarized antenna has a horizontal beamwidth of 360° and a vertical beamwidth of 90°. It is available in a UV resistant fiberglass radome that measures 195 x 27 mm and is able to withstand extreme outdoor environments. The OA25-0406 antenna is ideally suited for mobility and mesh applications where wide coverage is required.

## KEY FEATURES

Outdoor dual-band omnidirectional antenna

4 dBi/360°H - 90°V/2.4 - 2.5 GHz

6 dBi/360°H - 90°V/5.15 - 5.85 GHz

Screwed directly on MegaMesh / GigaMesh routers

Maximum transmission distance is 500 meters

Maximum Throughput is 75Mbps

## ELECTRICAL SPECIFICATIONS

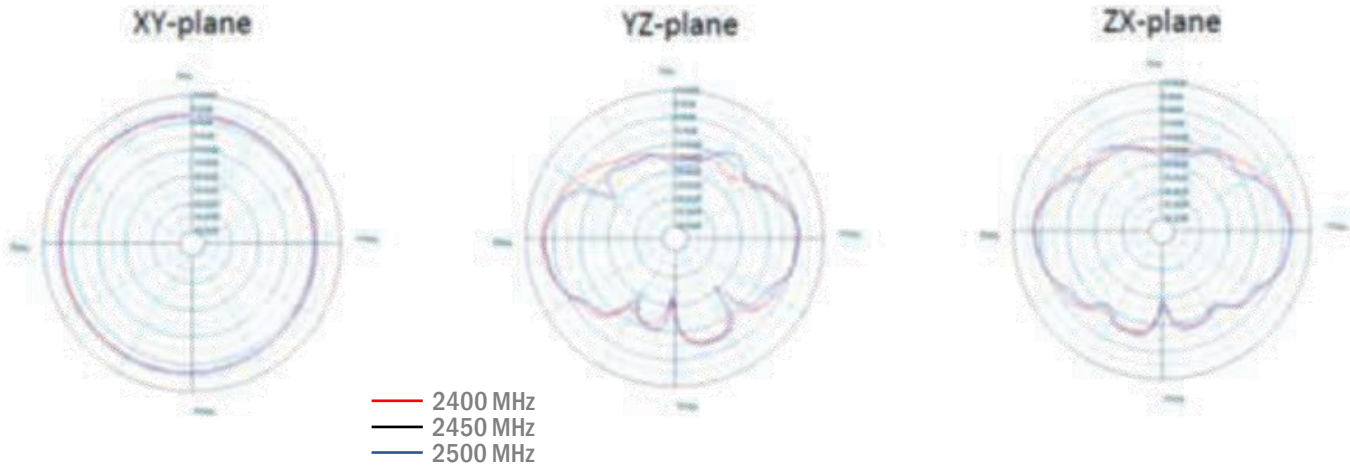
<b>FREQUENCY</b>	2.4 - 2.5 GHz 5.15 - 5.85 GHz
<b>GAIN</b>	2.4 - 2.5 GHz: 4dBi 5.15 - 5.85 GHz: 6dBi
<b>POLARIZATION</b>	Vertical
<b>HPOL BEAMWIDTH</b>	360°
<b>VPOL BEAMWIDTH</b>	90°
<b>VSWR</b>	2.4 - 2.5 GHz: Max. 2.5:1 5.15 - 5.85 GHz: Max. 3:1
<b>IMPEDANCE</b>	50 Ω

## MECHANICAL SPECIFICATIONS

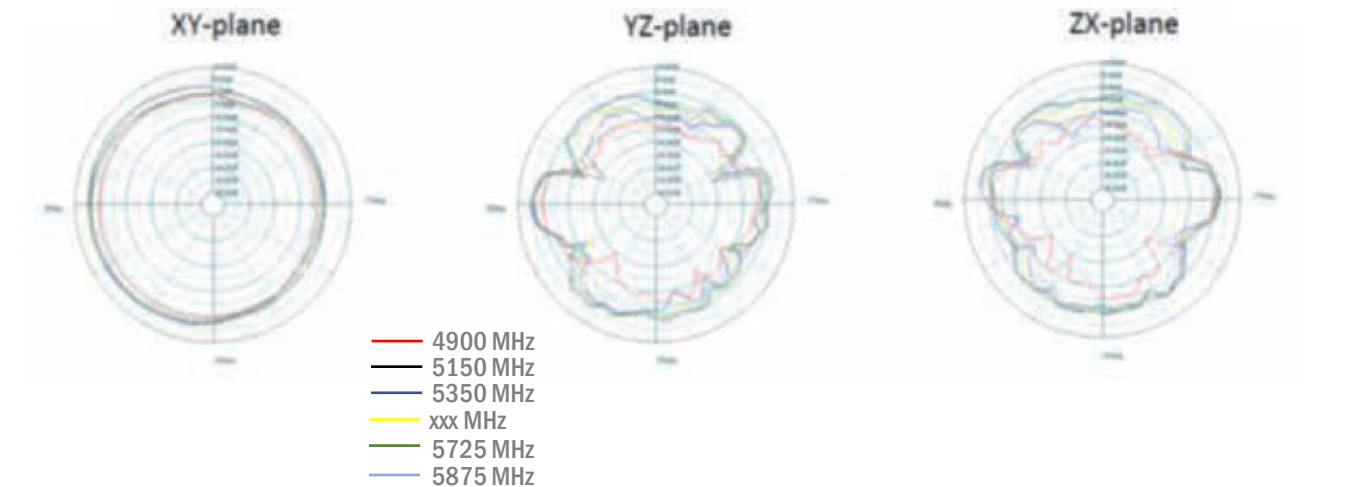
<b>MATERIAL</b>	Fiber glass
<b>PROTECTION</b>	UV protection
<b>CONNECTOR TYPE</b>	1 x N-Female
<b>DIMENSIONS</b>	195 x 27 mm 7.6 x 1.1 inch
<b>WEIGHT</b>	125 g 0.27 lbs.
<b>TEMPERATURE RANGE</b>	-40° to 70°C -40° to 158°F
<b>HUMIDITY</b>	95% @ 55°C
<b>WIND SURVIVABILITY</b>	60 m/s
<b>MOUNTING KIT INCLUDED</b>	Yes (max diam.50mm)

## ANTENNA PATTERNS

### 2.4 GHz radiation patterns



### 5 GHz radiation patterns



## ORDERING INFORMATION

OA25-0406