

HPE Aruba Networking ANT-2x2-256O-6 Antenna for Indoor/outdoor Access Points



Tri-band omni-directional antenna (N-Male) for indoor/outdoor use

The ANT-2x2-256O-6 antenna is a high-performance, tri-band, omni-directional, indoor/outdoor antenna ideally designed for multifunction access points that require an omnidirectional coverage pattern for WLAN service delivery or air monitoring on the 2.4GHz, 5GHz and/or 6GHz bands. ANT-2x2-256O-6 consist of 2 sets baton antenna side by side pack with an upright orientation pole mount kit for outdoor, providing flexibility in deployment and direct connection to Aruba access points with N-Male rotatable connector.

Specifications

Frequency bands, ranges and peak gains

- | | | |
|----------|---------------------|------|
| - 2.4GHz | 2.400GHz – 2.500GHz | 3dBi |
| - 5GHz | 4.900GHz – 6.000GHz | 6dBi |
| - 6GHz | 6.000GHz – 7.125GHz | 6dBi |

Polarization

- Linear, Vertical

Pattern beamwidth (3dB)

- | | |
|----------|---|
| - 2.4GHz | Elevation (V): 50 degrees |
| - 5GHz | Elevation (V): approximately 20 degrees |
| - 6GHz | Elevation (V): approximately 20 degrees |

Input impedance

- 50 Ohms

Maximum input power

- 2 Watts

VSWR

- < 2:1

Port isolation

- N/A (if applicable)

Dimensions

- Ø28.6 x 271mm (antenna itself)
- 362 x 118 x 47.6mm (unit carton)

Weight

- 137g (antenna itself)
- 455g (unit carton)

Radome

- Material: PC ET3113
- Color: White

Fly cable length & type / connector

- N-Male connector

Operating temperature range and relative humidity

- -40 to +70°C (temp) RH 10-95% (humidity)

Water and dust protection (IP rating)

- IP54

Wind speed

- 120mph

Lightning protection

- N/A

Installation hardware

- Upright pole mount for outdoor

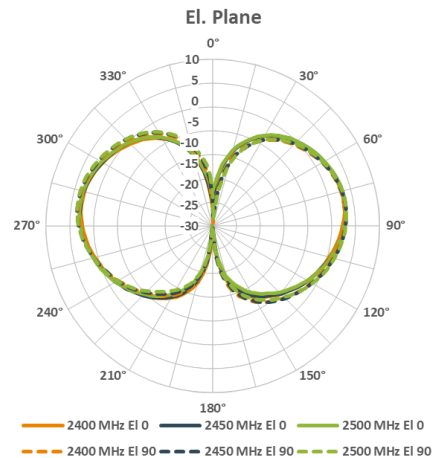
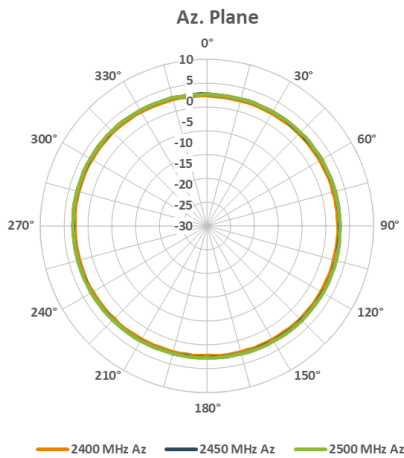
Shipping content

- 16x Unit carton in 1 Master carton
- 2x2 Antenna and mounting hardware included in one unit carton

Antenna patterns

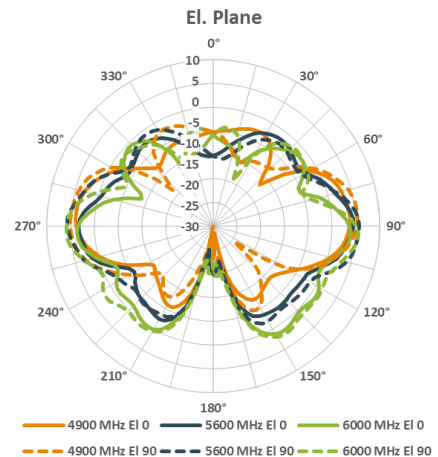
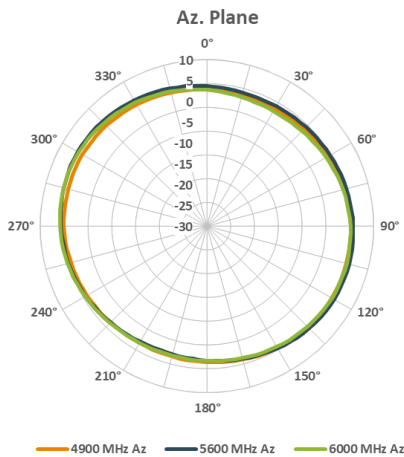
Horizontal (azimuth) planes (top view)

Vertical (elevation) planes (front/side view)



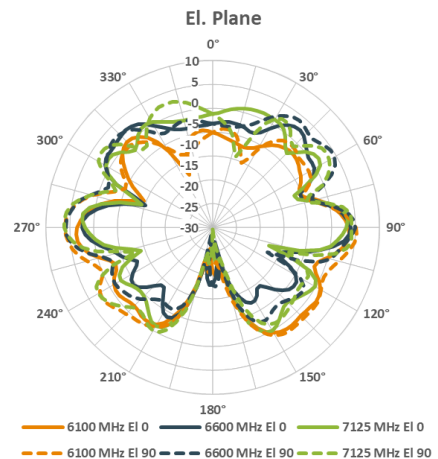
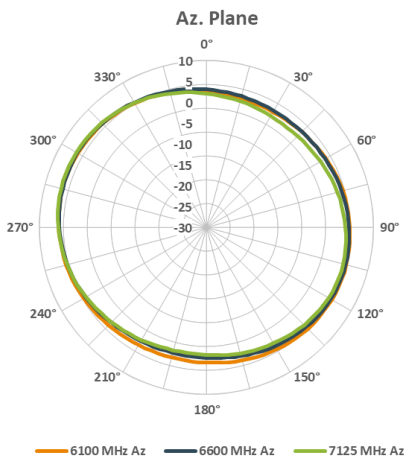
2.4GHz Wi-Fi band antenna patterns (horizontal)

2.4GHz Wi-Fi band antennas patterns (vertical)



5GHz Wi-Fi band antenna patterns (horizontal)

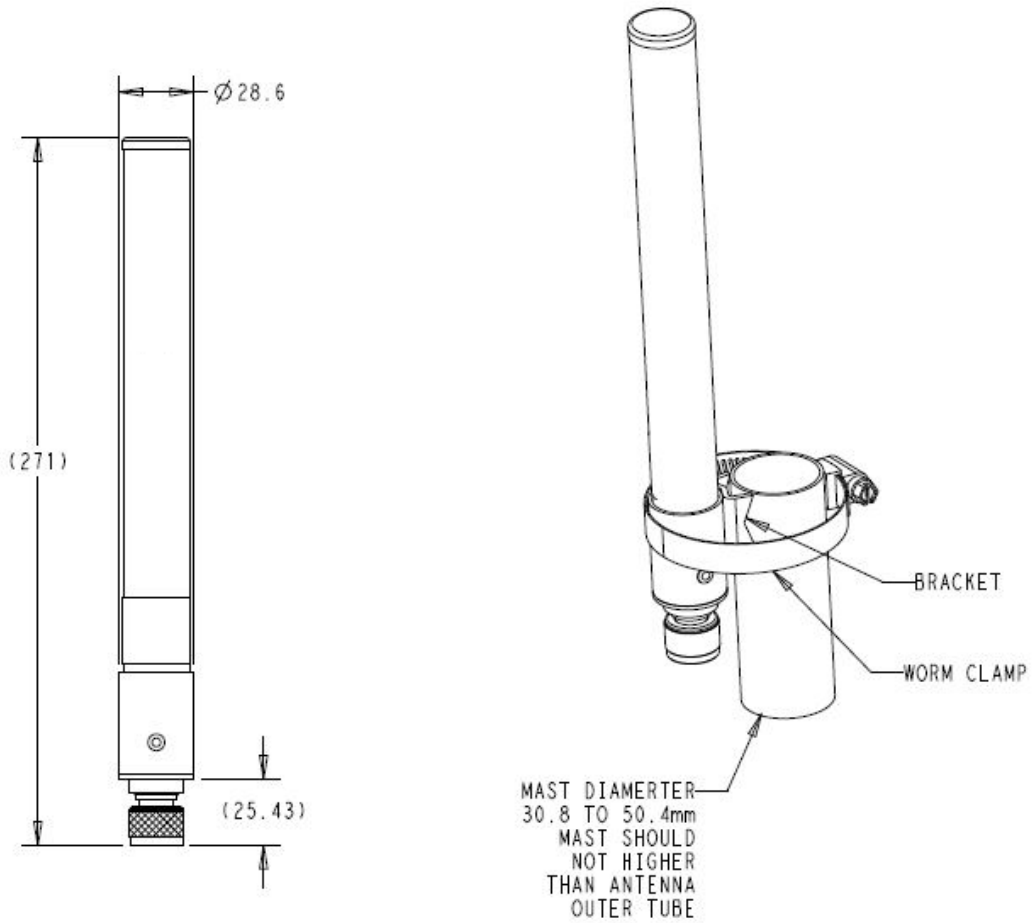
5GHz Wi-Fi band antenna patterns (vertical)



6GHz Wi-Fi band antenna patterns (horizontal)

6GHz Wi-Fi band antennas patterns (vertical)

Mechanical drawings



Ordering information

Part number	Description
HPE Aruba Networking Antennas for Indoor/Outdoor Access Points (N-Male)	
ANT-2x2-256O-6	HPE ANW ANT-2x2-256O-6 N-Male Tri-Band Omni Antenna