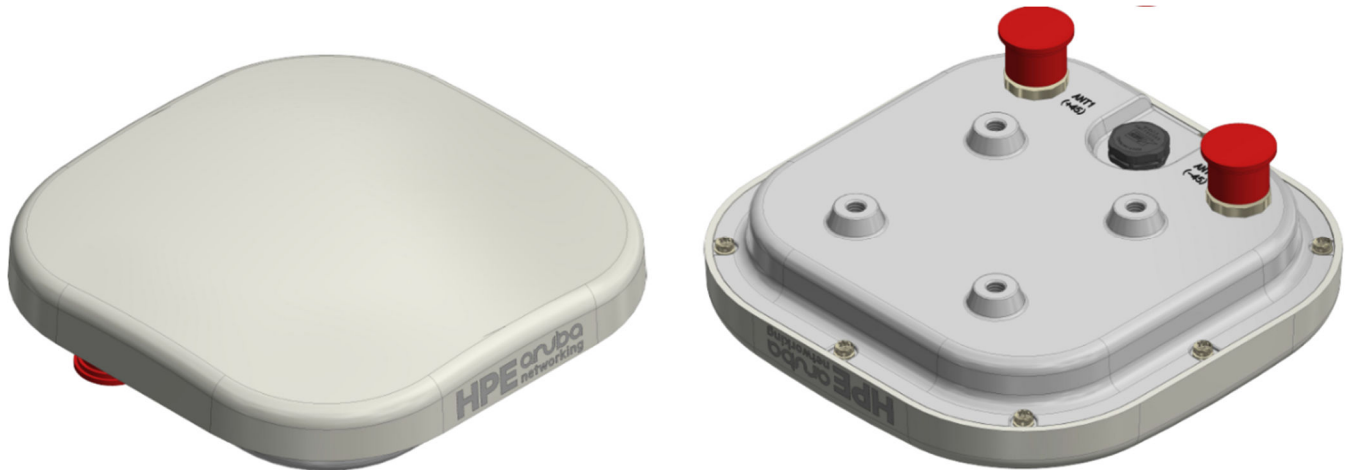


DATASHEET



The eANT-2x2-256D60-7 antenna is a high-performance, tri-band, directional, outdoor antenna ideally designed for multi-function access points that require an omnidirectional coverage pattern for WLAN service delivery or air monitoring on the 2.4~2.5GHz, 5.15~5.9GHz and 5.9~7.15GHz bands. eANT-2x2-256D60-7 unique design also allows for integration inside access points, routers and gateways, eliminating the need for external antennas.

Specifications

Frequency bands, ranges and peak gains/uncorrelated gains

- | | | |
|--------|---------------------|---|
| - 2GHz | 2.400GHz – 2.500GHz | peak gain 7.1dBi / uncorrelated gain 7.1dBi |
| - 5GHz | 5.150GHz – 5.935GHz | peak gain 7.3dBi / uncorrelated gain 7.2dBi |
| - 6GHz | 5.935GHz – 7.150GHz | peak gain 7.2dBi / uncorrelated gain 7.2dBi |

Polarization

- Dual-slant polarization (+/- 45 degree)

Input impedance

- 50 Ohms

Maximum input power

- 2 Watts

VSWR

- < 2:1 max

Material

- Composite

Port isolation

- > 20 dB

Dimensions

- L:151mm * W:151mm * H:54mm

Weight

- 557g (antenna itself)

Cable length & type / connector

- N-type

Operating temperature range and relative humidity

- Temp : -40°C ~ +70°C
- Humidity : 0% to 85% non-condensing

Water and dust protection (IP rating)

- IP67

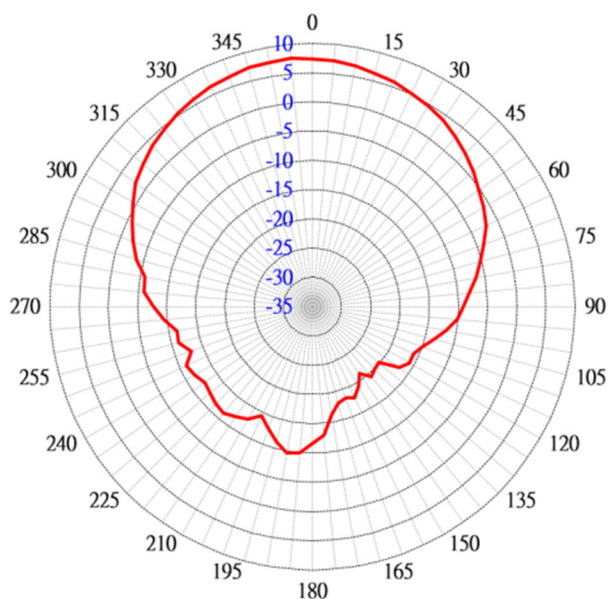
Shipping content

- Carton package

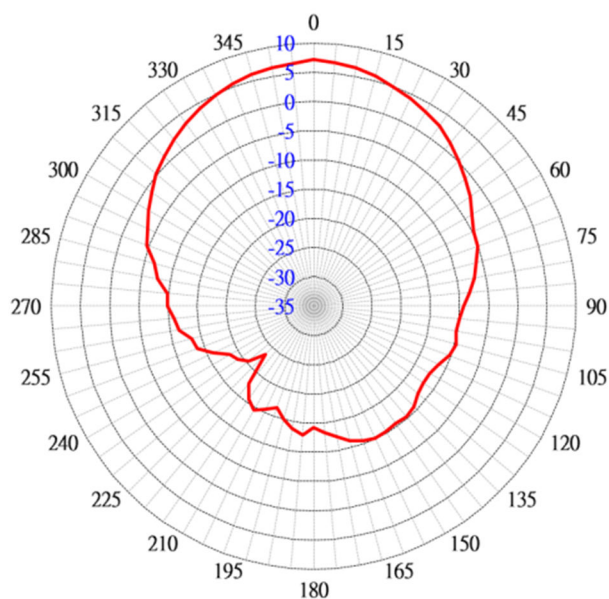
Antenna patterns

Horizontal (azimuth) planes (top view)

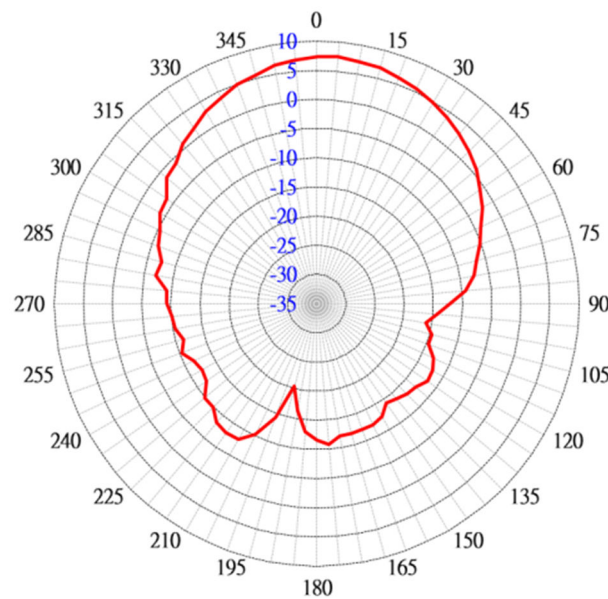
Vertical (elevation) planes (front/side view XZ /YZ)



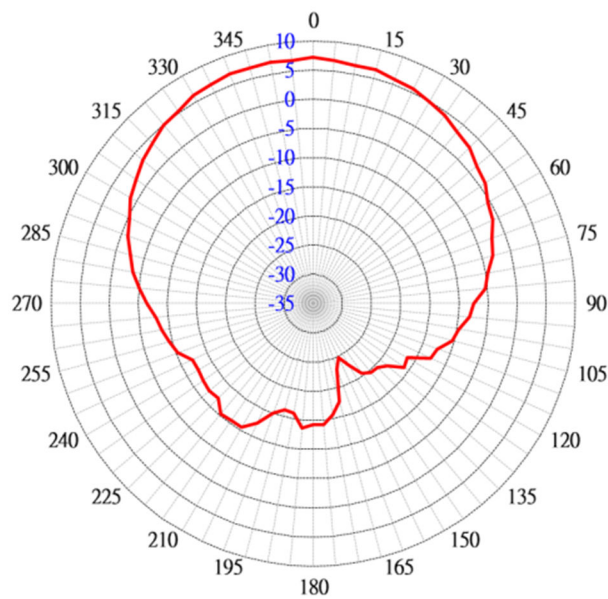
Port1 antenna 2G patterns (Elevation 0°)



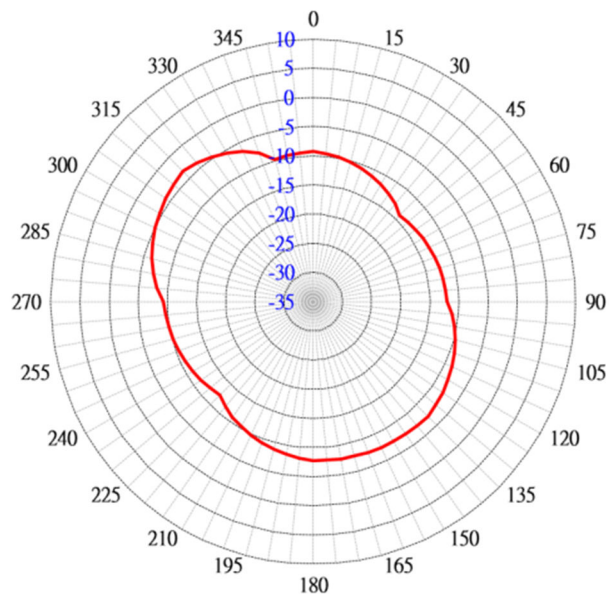
Port2 antenna 2G patterns (Elevation 0°)



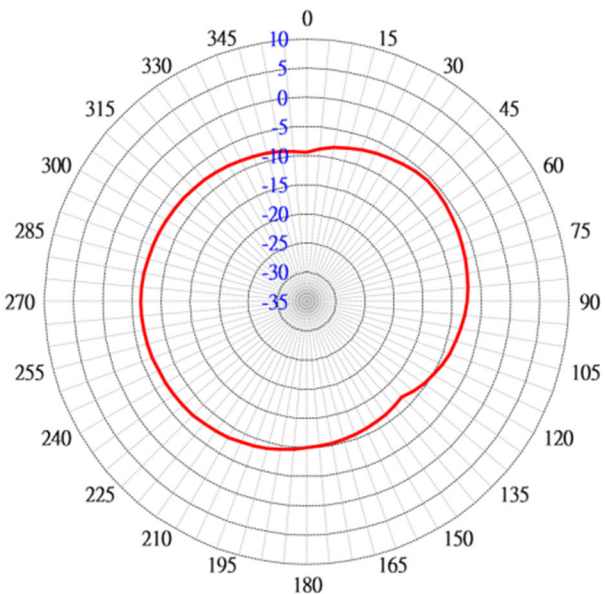
Port1 antenna 2G patterns (Elevation 90°)



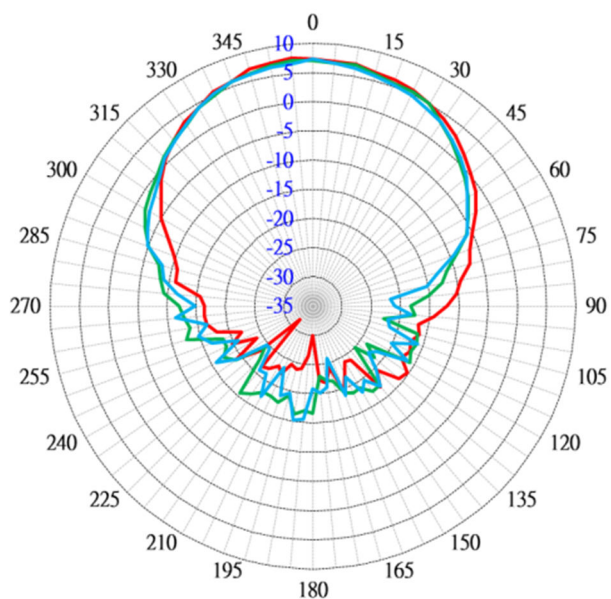
Port2 -45° antenna 2G patterns (Elevation 90°)



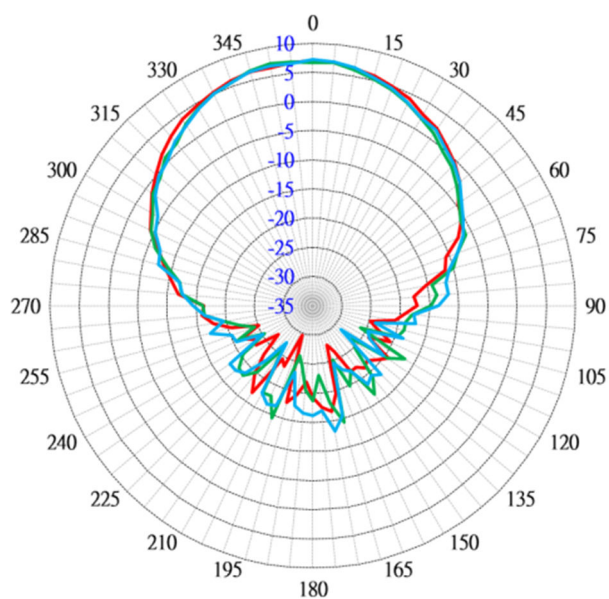
Port1 antenna 2G patterns (Azimuth)



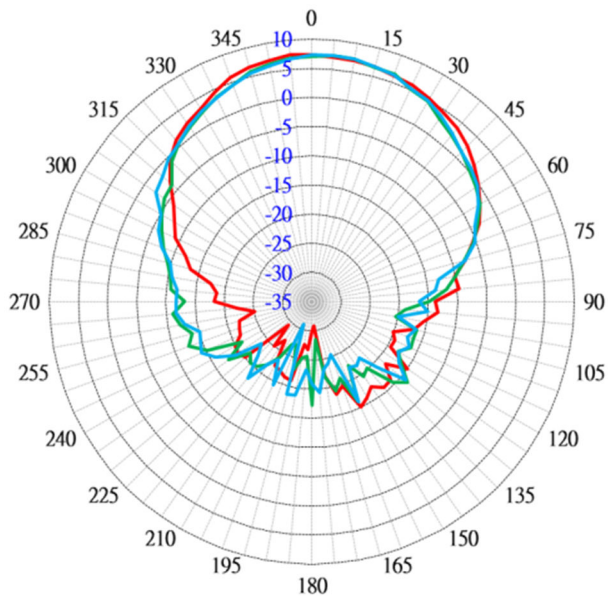
Port2 antenna 2G patterns (Azimuth)



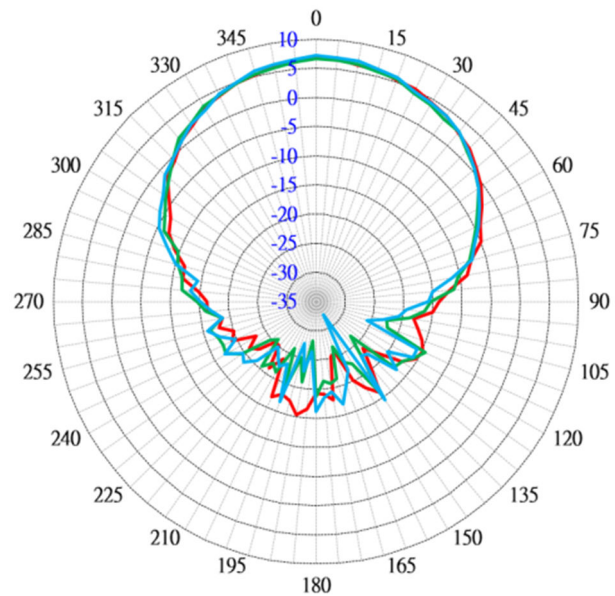
Port1 antenna 5G & 6G patterns (Elevation 0°)



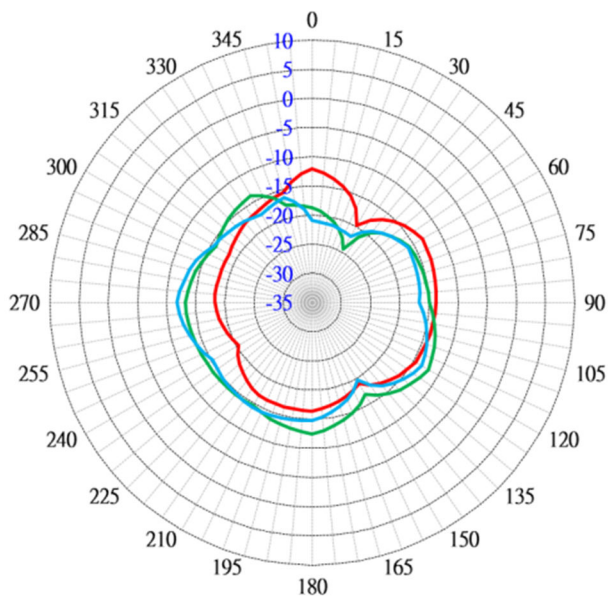
Port2 antenna 5G & 6G patterns (Elevation 0°)



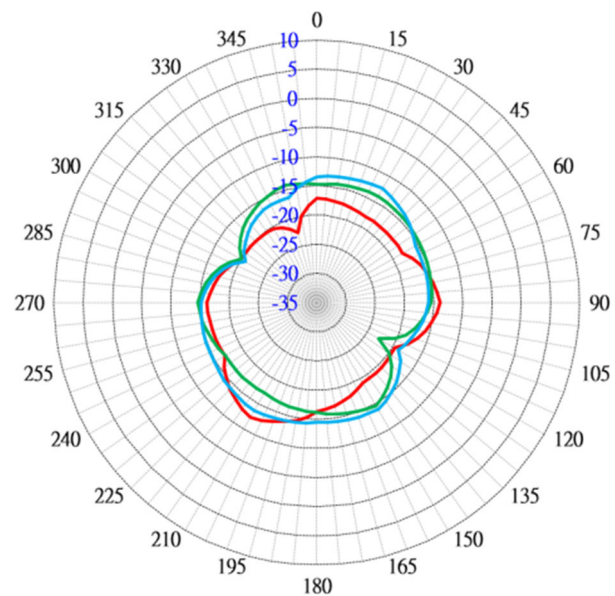
Port1 antenna 5G & 6G patterns (Elevation 90°)



Port2 antenna 5G & 6G patterns (Elevation 90°)

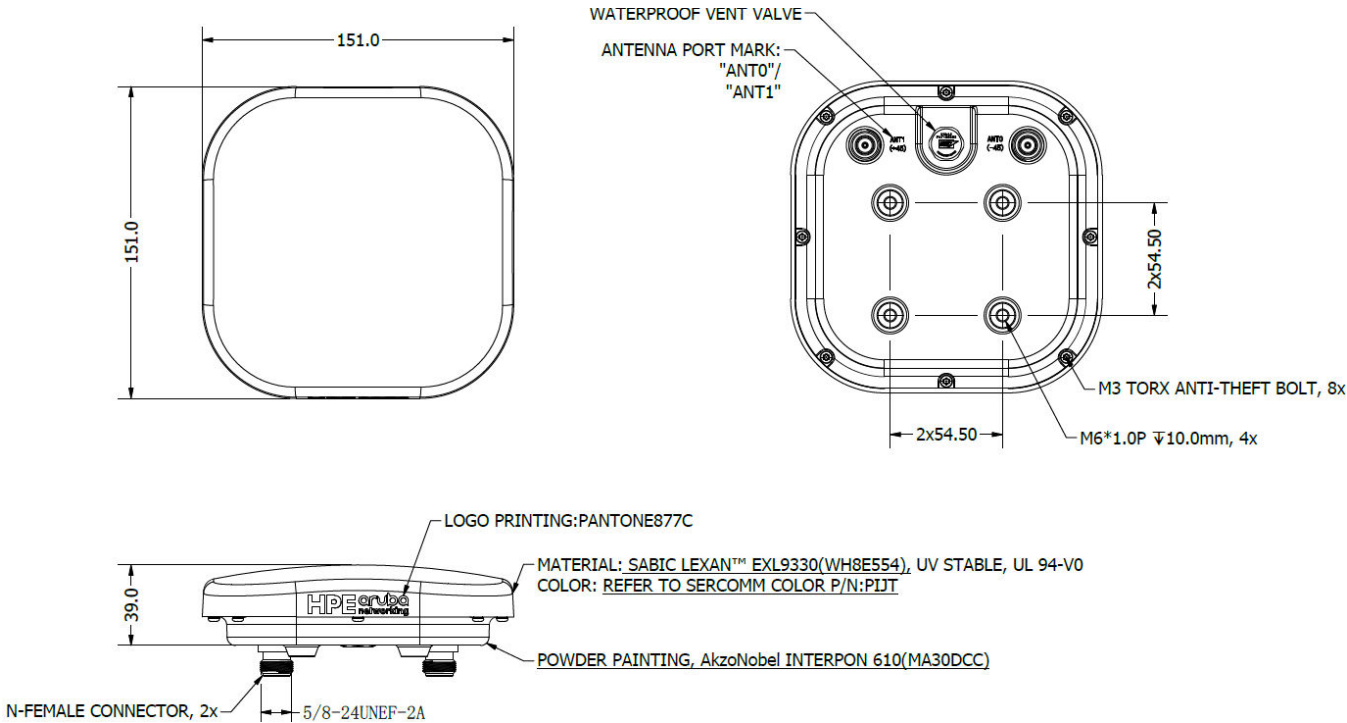


Port1 antenna 5G & 6G patterns (Azimuth)



Port2 antenna 5G & 6G patterns (Azimuth)

Mechanical drawings



Ordering information

SKU	Part number	Description
HPE Aruba Networking Antennas for Indoor Access Points		
S5A98A	eANT-2x2-256D60-7	HPE Aruba Networking eANT-2x2-256D60-7 Tri-Band Antenna