HPE Aruba Networking AP-ANT-345 Antenna for Indoor Access Points

Dual-polarized cabled tri-band 4-element medium gain directional panel antenna (RP-SMA) for indoor and outdoor use.

The AP-ANT-345 antenna is a tri-band, 4-element, dual-polarized panel antenna with nominal 90° H x 90° V beamwidths and 5dBi peak gain. This antenna is well suited for indoor and outdoor sector coverage for Wi-Fi access in 2.4GHz, 5GHz and/or 6GHz concurrently.

The AP-ANT-345 can be mounted directly to a wall (or ceiling) using the supplied screws and anchors, or if more flexibility is needed it can be combined with the optional AP-ANT-MNT-U articulating wall/pole mount.

Specifications

Frequency bands, ranges and peak gains
- 2.4GHz  2.400GHz – 2.500GHz  6.1dBi
- 5GHz  4.900GHz – 5.900GHz  6.1dBi
- 6GHz  6.000GHz – 7.150GHz  5.4dBi

Polarization
- Cross Pol (Ratio – 9:1)

Pattern beamwidth (3dB)
- 2.4 GHz
  Elevation (V): Approximately 79.1°
  Azimuth (H): Approximately 79.3°
- 5.0 GHz
  Elevation (V): Approximately 78.5°
  Azimuth (H): Approximately 83.2°
- 6.0 GHz
  Elevation (V): Approximately 78.0°
  Azimuth (H): Approximately 80.3°

Input impedance
- 50 Ohms

Maximum input power
- 33dBm (2 Watts) per port

VSWR
- < 2:1
**Port isolation**
- 2.4 GHz: 20 dB
- 5 GHz: 25 dB
- 6 GHz: 23 dB

**Dimensions**
- 200 mm (W) x 200 mm (L) x 46.5 mm (H) (antenna itself)
- 250 mm (W) x 220 mm (L) x 58 mm (H) (as it ships)

**Weight**
- 0.4 kg (antenna itself)
- 0.6 kg (as it ships)

**Radome**
- Material: ASA, Luran S 788T, UV
- Color: White

**Fly cable length and type / connector**
- 75 ± 0.8 cm Plenum Rated RG58LL/ RP-SMA-Male (x4)

**Lightning protection**
- N/A

**Installation hardware**
- There are two mounting options:
  - Wall mounting hardware kit is included
  - The antenna is also equipped with 4 x M5x0.8-6H for Articulating bracket option.

**Shipping content**
- Antenna, mounting hardware and instruction manual included in unit carton

**Operating temperature range and relative humidity**
- -40°C to 65°C 10% to 95% RH

**Water and dust protection (IP rating)**
- IP67

**Wind speed**
- Up to 136 mph
Antenna patterns (averaged for all four antenna elements)

Horizontal (azimuth) plane (top view) and Vertical (elevation) plane (side view)

2.4GHz antenna patterns (horizontal)  
2.4GHz antenna patterns (vertical)

5GHz antenna patterns (horizontal)  
5GHz antenna patterns (vertical)

6GHz antenna patterns (horizontal)  
6GHz antenna patterns (vertical)
# Mechanical drawings

![Mechanical drawing of HPE Aruba Networking Antennas for Indoor Access Points (RP-SMA)](image)

## Ordering information

<table>
<thead>
<tr>
<th>Part number</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>S1F83A</td>
<td>HPE Aruba Networking AP-ANT-345 Cabled RP-SMA Tri-Band 4x4 Medium Gain Directional Panel Antenna</td>
</tr>
</tbody>
</table>

Make the right purchase decision. Contact our presales specialists.