HPE Aruba Networking AP-ANT-313
Antenna for Indoor Access Points

Tri-band omni-directional high-performance dipole antenna (RP-SMA, cabled) for indoor and outdoor use

The AP-ANT-313 antenna is a high-performance, tri-band, omni-directional, indoor/outdoor dipole 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.

The AP-ANT-319 ships with all hardware for pole or (suspended) ceiling mounted deployments.

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 Azimuth (H): 360 degrees
  - 5GHz: Elevation (V): -20 degrees Azimuth (H): 360 degrees
  - 6GHz: Elevation (V): -20 degrees Azimuth (H): 360 degrees

- **Input impedance**
  - 50 Ohms

- **Maximum input power**
  - 2 Watts

- **Port isolation**
  - Not applicable—single element antenna

- **Dimensions**
  - Ø28.6mm x 245.7mm (antenna itself)
  - 362mm x 118mm x 47.6mm (as it ships)

- **Weight**
  - 120g (antenna itself)
  - 565g (as it ships)

- **Radome**
  - Material: PC ET3113
  - Color: White

- **Fly cable length & type/connector**
  - 36" Plenum rated RG58LL with RP-SMA connector

- **Operating temperature range and relative humidity**
  - -40°C to +70°C (temp)
  - RH 10% - 95% (humidity)

- **Water and dust protection (IP rating)**
  - Upright position: IP44
  - Inverted Position: N/A

- **Wind speed**
  - 193 km/hr

- **Lightning protection**
  - Not applicable

- **Installation hardware**
  - Inverted ceiling clip for indoor
  - Inverted I-beam clamp for indoor
  - Upright pole mount for outdoor

- **Shipping content**
  - Antenna and mounting hardware included in unit carton
Antenna patterns

Horizontal (azimuth) plane (top view) & Vertical (elevation) planes (front/side view)

2.4GHz antenna patterns (horizontal)

2.4GHz antenna patterns (vertical/0)

2.4GHz antenna patterns (vertical/90)
Antenna patterns

Horizontal (azimuth) plane (top view) & Vertical (elevation) planes (front/side view)

5GHz antenna patterns (horizontal)

5GHz antenna patterns (vertical/0)

5GHz antennas patterns (vertical/90)
Antenna patterns

Horizontal (azimuth) plane (top view) & Vertical (elevation) planes (front/side view)

6GHz antenna patterns (horizontal)

6GHz antenna patterns (vertical/0)

6GHz antenna patterns (vertical-90)
Mechanical drawings

Ordering information

<table>
<thead>
<tr>
<th>Part number</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>S1F81A</td>
<td>HPE Aruba Networking AP-ANT-313 Cabled RP-SMA Tri-Band 1x1 Omni Dipole Antenna</td>
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