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

The AP-ANT-348 antenna is a tri-band, 4-element, dual-polarized panel antenna with nominal 60° H x 60° V beamwidths and 8dBi peak gain. This antenna is well suited for indoor and outdoor directional coverage for Wi-Fi access in 2.4GHz, 5GHz and/or 6GHz concurrently.

The AP-ANT-348 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 7.5dBi
- 5GHz: 5.000GHz–5.875GHz 8.0dBi
- 6GHz: 5.935GHz–7.150GHz 8.0dBi (6.7dBi above 7.0GHz)

**Polarization**
Dual slant, ±45° x 2

**Pattern beamwidth (3dB)**
- 2.4GHz Elevation (V): 70 degrees (typ) Azimuth (H): 70 degrees (typ)
- 5GHz Elevation (V): 56 degrees (typ) Azimuth (H): 56 degrees (typ)
- 6GHz Elevation (V): 56 degrees (typ) Azimuth (H): 56 degrees (typ)

**Input impedance**
50 Ohms

**Maximum input power**
2 Watts

**VSWR**
< 2.0:1

**Port isolation**
- 2.4GHz: 20dB
- 5GHz: 20dB
- 6GHz: 20dB

**Dimensions**
- 190mm x 190mm x 40mm (antenna itself)
- An additional 11mm each side is required for antenna wall installation
- 263mm x 245mm x 78mm (as it ships)

**Weight**
- 1kg (antenna itself)
- TBB (as it ships)

**Radome**
- Material: Polycarbonate
- Color: Grey-white (RAL-9002)

**Fly cable length & type/connector**
- 4x 750mm RF coaxial cable with RP-SMA male connector

**Operating temperature range and relative humidity**
- -40°C to +85°C (temp)
- 5% to 95% RH (humidity)

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

**Wind speed**
- 220km/h (survival) 160km/h (operation)

**Lightning protection**
- DC grounded

**Installation hardware**
- Ships with wall anchors
- Optional AP-ANT-MNT-U adjustable wall/pole mount bracket purchased separately.

**Shipping content**
- This antenna ships in a cardboard box
- An installation guide hardcopy is included in the box
Antenna patterns (averaged for both antenna elements)
Horizontal (azimuth) plane (top view) & Vertical (elevation) plane (side view)
Make the right purchase decision.
Contact our presales specialists.

Visit ArubaNetworks.com

Ordering information

<table>
<thead>
<tr>
<th>Part number</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>S1F84A</td>
<td>HPE Aruba Networking AP-ANT-348 Cabled RP-SMA Tri-Band 4x4 High Gain Directional Panel Antenna</td>
</tr>
</tbody>
</table>