HPE Aruba Networking AP-ANT-328 antenna for indoor access points

Dual-polarized cabled tri-band 2-element high gain directional panel antenna (RP-SMA) for indoor and outdoor use

The AP-ANT-328 antenna is a tri-band, 2-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-328 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°

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

- **Input impedance**
  - 50 Ohms

- **Maximum input power**
  - 6 Watts

- **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)
  - TBD (as it ships)

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

- **Fly cable length & type/connector**
  - 2x 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/role 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)**

- **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

Ordering information

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<td>HPE Aruba Networking AP-ANT-328 Cabled RP-SMA Tri-Band 2x2 High Gain Directional Panel Antenna</td>
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