



# HPE Aruba Networking 580 Series Outdoor Access Points

Very high performance Wi-Fi 6 (802.11ax) for outdoor environments



**Table 1.** Select access point

Part number	Description
<b>HPE Aruba Networking 580 Series Outdoor Access Points</b>	
<b>S5D99A</b>	HPE Aruba Networking AP-585 (ID) Dual Radio 4x4 802.11ax Internal Omni Antennas Outdoor Access Point
<b>R7T04A</b>	HPE Aruba Networking AP-585 (US) Dual Radio 4x4:4 802.11ax Internal Omni Antennas Unified Outdoor AP
<b>R7T05A</b>	HPE Aruba Networking AP-585 (RW) Dual Radio 4x4:4 802.11ax Internal Omni Antennas Unified Outdoor AP
<b>R7T06A</b>	HPE Aruba Networking AP-585 (EG) Dual Radio 4x4:4 802.11ax Internal Omni Antennas Unified Outdoor AP
<b>R7T07A</b>	HPE Aruba Networking AP-585 (IL) Dual Radio 4x4:4 802.11ax Internal Omni Antennas Unified Outdoor AP
<b>R7T08A</b>	HPE Aruba Networking AP-585 (JP) Dual Radio 4x4:4 802.11ax Internal Omni Antennas Unified Outdoor AP
<b>S5E03A</b>	HPE Aruba Networking AP-584 (ID) Dual Radio 4x4 802.11ax External Antennas Outdoor Access Point
<b>R7S99A</b>	HPE Aruba Networking AP-584 (US) Dual Radio 4x4:4 802.11ax External Antennas Unified Outdoor AP
<b>R7T00A</b>	HPE Aruba Networking AP-584 (RW) Dual Radio 4x4:4 802.11ax External Antennas Unified Outdoor AP
<b>R7T01A</b>	HPE Aruba Networking AP-584 (EG) Dual Radio 4x4:4 802.11ax External Antennas Unified Outdoor AP
<b>R7T02A</b>	HPE Aruba Networking AP-584 (IL) Dual Radio 4x4:4 802.11ax External Antennas Unified Outdoor AP
<b>R7T03A</b>	HPE Aruba Networking AP-584 (JP) Dual Radio 4x4:4 802.11ax External Antennas Unified Outdoor AP
<b>S5E00A</b>	HPE Aruba Networking AP-587 (ID) Dual Radio 4x4:4 802.11ax Internal Directional Antennas Unified Outdoor AP
<b>R7T09A</b>	HPE Aruba Networking AP-587 (US) Dual Radio 4x4:4 802.11ax Internal Directional Antennas Unified Outdoor AP
<b>R7T10A</b>	HPE Aruba Networking AP-587 (RW) Dual Radio 4x4:4 802.11ax Internal Directional Antennas Unified Outdoor AP
<b>R7T11A</b>	HPE Aruba Networking AP-587 (EG) Dual Radio 4x4:4 802.11ax Internal Directional Antennas Unified Outdoor AP
<b>R7T12A</b>	HPE Aruba Networking AP-587 (IL) Dual Radio 4x4:4 802.11ax Internal Directional Antennas Unified Outdoor AP
<b>R7T13A</b>	HPE Aruba Networking AP-587 (JP) Dual Radio 4x4:4 802.11ax Internal Directional Antennas Unified Outdoor AP
<b>HPE Aruba Networking 580 Series Outdoor Access Points—TAA</b>	
<b>R7T19A</b>	HPE Aruba Networking AP-585 (US) TAA Dual Radio 4x4:4 802.11ax Internal Omni Antennas Unified Outdoor AP
<b>R7T20A</b>	HPE Aruba Networking AP-585 (RW) TAA Dual Radio 4x4:4 802.11ax Internal Omni Antennas Unified Outdoor AP
<b>R7T21A</b>	HPE Aruba Networking AP-585 (EG) TAA Dual Radio 4x4:4 802.11ax Internal Omni Antennas Unified Outdoor AP
<b>R7T22A</b>	HPE Aruba Networking AP-585 (IL) TAA Dual Radio 4x4:4 802.11ax Internal Omni Antennas Unified Outdoor AP
<b>R7T23A</b>	HPE Aruba Networking AP-585 (JP) TAA Dual Radio 4x4:4 802.11ax Internal Omni Antennas Unified Outdoor AP
<b>R7T14A</b>	HPE Aruba Networking AP-584 (US) TAA Dual Radio 4x4:4 802.11ax External Antennas Unified Outdoor AP
<b>R7T15A</b>	HPE Aruba Networking AP-584 (RW) TAA Dual Radio 4x4:4 802.11ax External Antennas Unified Outdoor AP
<b>R7T16A</b>	HPE Aruba Networking AP-584 (EG) TAA Dual Radio 4x4:4 802.11ax External Antennas Unified Outdoor AP



**Table 1.** Select access point (continued)

Part number	Description
<b>R7T17A</b>	HPE Aruba Networking AP-584 (IL) TAA Dual Radio 4x4:4 802.11ax External Antennas Unified Outdoor AP
<b>R7T18A</b>	HPE Aruba Networking AP-584 (JP) TAA Dual Radio 4x4:4 802.11ax External Antennas Unified Outdoor AP
<b>R7T24A</b>	HPE Aruba Networking AP-587 (US) TAA Dual Radio 4x4:4 802.11ax Internal Directional Antennas Unified Outdoor AP
<b>R7T25A</b>	HPE Aruba Networking AP-587 (RW) TAA Dual Radio 4x4:4 802.11ax Internal Directional Antennas Unified Outdoor AP
<b>R7T26A</b>	HPE Aruba Networking AP-587 (EG) TAA Dual Radio 4x4:4 802.11ax Internal Directional Antennas Unified Outdoor AP
<b>R7T27A</b>	HPE Aruba Networking AP-587 (IL) TAA Dual Radio 4x4:4 802.11ax Internal Directional Antennas Unified Outdoor AP
<b>R7T28A</b>	HPE Aruba Networking AP-587 (JP) TAA Dual Radio 4x4:4 802.11ax Internal Directional Antennas Unified Outdoor AP

**Table 2.** Add mounting bracket

Part number	Description
<b>R9H97A</b>	HPE Aruba Networking AP-OUT-MNT-V1A Outdoor Pole/Wall Long Mount Kit
<b>JW054A</b>	HPE Aruba Networking AP-270-MNT-H1 AP-270 Series Outdoor AP Hanging or Tilt Install Mount Kit
<b>JW055A</b>	HPE Aruba Networking AP-270-MNT-H2 AP-270 Series Access Flush Wall or Ceiling Mount
<b>R6W11A</b>	HPE Aruba Networking AP-270-MNT-H3 AP-270 Series Outdoor AP Hanging or Dual-Tilt Install Mount Kit

The V1A bracket is most commonly used with AP-584/585. The H1, H2, and H3 brackets are most commonly used to wall mount an AP-587 or to hang the AP-584/585 from a horizontal surface. The AP-270-MNT-V2 is not supported.

**Table 3.** Add PoE powering accessories for units to be PoE powered

Part number	Description
<b>R1C73A</b>	HPE Aruba Networking AP-POE-BTSR 1-Port Smart Rate 802.3bt 60W Indoor Midspan Injector
<b>R7T40A</b>	HPE Aruba Networking PD-9501-5GCO-AC 60W 802.3bt Smart Rate Outdoor Surge Protection Midspan Injector
<b>R7T41A</b>	HPE Aruba Networking PD-9501-5GCO-DC 60W 802.3bt Smart Rate Outdoor Surge Protection Midspan Injector

Recommend using shielded twisted pair (STP) Ethernet cable for all Ethernet connections for proper surge protection.

**Table 4.** Add mounting kit for outdoor PoE midspan injector (optional)

Part number	Description
<b>JW620A</b>	HPE Aruba Networking PD-MOUNT-OD Outdoor PoE Midspan Injectors Pole/Mast Mount Kit



**Table 5.** Select 3-prong AC power cord for indoor PoE injector

Part number	Description
JW113A	HPE Aruba Networking PC-AC-ARG Argentina 220V AC 10A 2-meter AC Power Cord
JW114A	HPE Aruba Networking PC-AC-AUS Australian AC Power Cord
JW115A	HPE Aruba Networking PC-AC-BR Brazil AC Power Cord
JW116A	HPE Aruba Networking PC-AC-CHN China AC Power Cord
JW117A	HPE Aruba Networking PC-AC-DEN Denmark 220V AC 10A 2-meter AC Power Cord
JW118A	HPE Aruba Networking PC-AC-EC Continental European/Schuko AC Power Cord
JW119A	HPE Aruba Networking PC-AC-IN India AC Power Cord
JW120A	HPE Aruba Networking PC-AC-IL Israel 250V AC 10A 2-meter AC Power Cord
JW121A	HPE Aruba Networking PC-AC-IT Italian AC Power Cord
JW122A	HPE Aruba Networking PC-AC-JP Japanese AC Power Cord
JW123A	HPE Aruba Networking PC-AC-KOR Korea AC Power Cord
JW124A	HPE Aruba Networking PC-AC-NA North America AC Power Cord
JW125A	HPE Aruba Networking PC-AC-SWI Switzerland 220V AC 10A 2-meter AC Power Cord
JW126A	HPE Aruba Networking PC-AC-TW Taiwan AC Power Cord
JW127A	HPE Aruba Networking PC-AC-UK UK AC Power Cord
JW128A	HPE Aruba Networking PC-AC-ZA South Africa 250V AC 10A 2-meter AC Power Cord

**Table 6.** Add outdoor power cable kit for units to be powered from ac (110V/220V)

Part number	Description
R8Q74A	HPE Aruba Networking Outdoor AP-AC-MLX Outdoor Molex AC Power Connector Kit

The AP-AC-MLX is an assembly kit. Tools, power cable type, and so on, installer is supplied, and should use outdoor rated, UV stabilized AC power cable. Check the installation guide for more details.

**Table 7.** Add SFP for fiber connection (optional)

Part number	Description
JL780A	HPE Aruba Networking 1G I-Tmp SFP LC SX 500m MMF XCVR
JL781A	HPE Aruba Networking 1G I-Tmp SFP LC LX 10km SMF XCVR



**Table 7.** Add SFP for fiber connection (optional) (continued)

Part number	Description
<b>JL782A</b>	HPE Aruba Networking 10G I-Tmp SFP+ LC SR 300m MMF XCVR
<b>JL783A</b>	HPE Aruba Networking 10G I-Tmp SFP+ LC LR 10km SMF XCVR
<b>Q8N54A</b>	HPE Aruba Networking Outdoor SFP Weathertight Strain Relief Kit

Q8N54A is required if using SFP or SFP+ on AP-580.

**Table 8.** Add antenna for radio

Part number	Description
<b>JW023A</b>	HPE Aruba Networking ANT-2x2-2005 Pair 2.4 GHz 5dBi Omni N-type Direct Mount Outdoor Antennas
<b>JW026A</b>	HPE Aruba Networking ANT-2x2-5005 Pair 5 GHz 5dBi Omni N-type Direct Mount Outdoor Antennas
<b>JW027A</b>	HPE Aruba Networking ANT-2x2-5010 Pair 5 GHz 10dBi Omni N-Type Direct Mount Outdoor Antennas
<b>JW033A</b>	HPE Aruba Networking ANT-3x3-5712 4.9-5.9 GHz 12.0dBi 75x25deg +/- 45deg and V Pol 3 MIMO High Gain Dir Antenna
<b>JX988A</b>	HPE Aruba Networking ANT-4x4-5314 5.15-5.9 GHz 14dBi 30x30deg Dual Pol MIMO Hi Gain Dir N-Type Outdoor Antenna
<b>JW024A</b>	HPE Aruba Networking ANT-2x2-2314 2.4 GHz 14dBi 30x30deg Dual Pol MIMO High Gain Dir N-Type Outdoor Antenna
<b>JW025A</b>	HPE Aruba Networking ANT-2x2-2714 2.4 G 14dBi 70deg Sector Dual Pol MIMO N-type Outdoor Antenna
<b>S0A65A</b>	HPE Aruba Networking ANT-4x4-D707 Dual-Band 60x60 7.5dBi Cross-Pol N-Type Outdoor Antenna

Using JW023A, JW024A, or JW025A band-locks the radio to 2.4 GHz use only. Using JW026A, JW027A, JW033A, or JX988A band-locks the radio to 5 GHz use only. JW023A, JW026A, JW027A, JW024A, or JW025A requires quantity two kits to fully populate the connectors. Any unused connectors should be terminated with a 50 ohm terminator.

**Table 9.** Add RF cables (AP-584 only)

Part number	Description
<b>JW064A</b>	HPE Aruba Networking AFC7DL03-00 3m Nm to Nm Outdoor Rated RF Cable
<b>JW065A</b>	HPE Aruba Networking AFC7DL04-00 4m Nm to Nm Outdoor Rated RF Cable
<b>JW068A</b>	HPE Aruba Networking ANT-CBL-1 1m Nm to Nm Flexible Outdoor Rated RF Cable
<b>JW069A</b>	HPE Aruba Networking ANT-CBL-2 2m Nm to Nm Flexible Outdoor Rated RF Cable
<b>JW070A</b>	HPE Aruba Networking AP-CBL-1 10ft (3m) Nm to Nf Outdoor Rated RF Cable

The AP-CBL-1 (JW070A) would only be used as an N connectorized extension cable, it will not connect an access point to an antenna by itself.



## Ordering guide

**Table 10.** Add lightning surge arrester (AP-584 only)

Part number	Description
<b>JW061A</b>	HPE Aruba Networking AP-LAR-1 Nm to Nf Outdoor DC to 6 GHz In-line Coaxial Lightning Arrester

Not required unless RF cables are longer than 2m in length.

**Table 11.** Spares of items that are shipped with the access point (optional)

Part number	Description
<b>Q8N47A</b>	HPE Aruba Networking Outdoor AP Covers and Glands 1-pk M25/5-pk M20 Cover/2-pk M16 Cover/5-pk M20 Gland/2-pk Ground Kit

This kit is a replacement kit for missing or lost gland covers, Ethernet glands, and spare grounding lugs.

**Table 12.** Thread adapters and accessories (optional)

Part number	Description
<b>Q8N48A</b>	HPE Aruba Networking Outdoor AP Metric to Standard M20 to 1/2-inch NPT 5-pk Thread Adapter

These adapters are for use in mating standard NPT-based conduit or flexcon to the access point's M20 Ethernet ports.

## Learn more at

[HPE.com/us/en/Aruba-access-points.html](https://HPE.com/us/en/Aruba-access-points.html)

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