



# **HPE Aruba Networking 580 series outdoor access points**

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

**Table 1.** Select AP-580 chassis

Part number	Description
<b>AP-580 series unified outdoor access points</b>	
<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>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>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>AP-580 series unified outdoor access points FIPS/TAA</b>	
<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
<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>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



**Table 1.** Select AP-580 chassis

Part number	Description
R7T22A	HPE Aruba Networking AP-585 (IL) TAA Dual Radio 4x4:4 802.11ax Internal Omni Antennas Unified Outdoor AP
R7T23A	HPE Aruba Networking AP-585 (JP) TAA Dual Radio 4x4:4 802.11ax Internal Omni Antennas Unified Outdoor AP
R7T24A	HPE Aruba Networking AP-587 (US) TAA Dual Radio 4x4:4 802.11ax Internal Directional Antennas Unified Outdoor AP
R7T25A	HPE Aruba Networking AP-587 (RW) TAA Dual Radio 4x4:4 802.11ax Internal Directional Antennas Unified Outdoor AP
R7T26A	HPE Aruba Networking AP-587 (EG) TAA Dual Radio 4x4:4 802.11ax Internal Directional Antennas Unified Outdoor AP
R7T27A	HPE Aruba Networking AP-587 (IL) TAA Dual Radio 4x4:4 802.11ax Internal Directional Antennas Unified Outdoor AP
R7T28A	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
R9H97A	AP-OUT-MNT-V1A Outdoor Pole/Wall Long Mount Kit
JW054A	AP-270-MNT-H1 AP-270 Series Outdoor AP Hanging or Tilt Install Mount Kit
JW055A	AP-270-MNT-H2 AP-270 Series Access Flush Wall or Ceiling Mount
R6W11A	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
R1C73A	AP-POE-BTSR 1-Port Smart Rate 802.3bt 60W Indoor Midspan Injector
R7T40A	PD-9501-5GCO-AC 60W 802.3bt Smart Rate Outdoor Surge Protection Midspan Injector
R7T41A	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
JW620A	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	PC-AC-ARG Argentina 220V AC 10A 2-meter AC Power Cord
JW114A	PC-AC-AUS Australian AC Power Cord
JW115A	PC-AC-BR Brazil AC Power Cord
JW116A	PC-AC-CHN China AC Power Cord
JW117A	PC-AC-DEN Denmark 220V AC 10A 2-meter AC Power Cord
JW118A	PC-AC-EC Continental European/Schuko AC Power Cord
JW119A	PC-AC-IN India AC Power Cord
JW120A	PC-AC-IL Israel 250V AC 10A 2-meter AC Power Cord
JW121A	PC-AC-IT Italian AC Power Cord
JW122A	PC-AC-JP Japanese AC Power Cord
JW123A	PC-AC-KOR Korea AC Power Cord
JW124A	PC-AC-NA North America AC Power Cord
JW125A	PC-AC-SWI Switzerland 220V AC 10A 2-meter AC Power Cord
JW126A	PC-AC-TW Taiwan AC Power Cord
JW127A	PC-AC-UK UK AC Power Cord
JW128A	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 (110/220V)

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, etc 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)

Part number	Description
JL782A	HPE Aruba Networking 10G I-Tmp SFP+ LC SR 300m MMF XCVR
JL784A	HPE Aruba Networking 10G I-Tmp SFP+ LC LR 10km SMF XCVR
Q8N54A	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
JW023A	ANT-2x2-2005 Pair 2.4 GHz 5dBi Omni N-type Direct Mount Outdoor Antennas
JW026A	ANT-2x2-5005 Pair 5 GHz 5dBi Omni N-type Direct Mount Outdoor Antennas
JW027A	ANT-2x2-5010 Pair 5 GHz 10dBi Omni N-Type Direct Mount Outdoor Antennas
JW033A	ANT-3x3-5712 4.9-5.9 GHz 12.0dBi 75x25deg +/- 45deg and V Pol 3 MIMO High Gain Dir Antenna
JX988A	ANT-4x4-5314 5.15-5.9 GHz 14dBi 30x30deg Dual Pol MIMO Hi Gain Dir N-Type Outdoor Antenna
JW024A	ANT-2x2-2314 2.4 GHz 14dBi 30x30deg Dual Pol MIMO High Gain Dir N-Type Outdoor Antenna
JW025A	ANT-2x2-2714 2.4 G 14dBi 70deg Sector Dual Pol MIMO N-type Outdoor Antenna
S0A65A	ANT-4x4-D707 Dual-Band 60x60 7.5dBi Cross-Pol N-Type Outdoor Antenna

Using JW023A, JW024A, or JW025A band-locks the radio to 2.4Ghz use only. Using JW026A, JW027A, JW033A, or JX988A band-locks the radio to 5Ghz use only. JW023A, JW026A, JW027A, JW024A, or JW025A requires qty 2 kits to fully populate the connectors. Any unused connectors should be terminated with a 50ohm terminator.

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

Part number	Description
JW064A	AFC7DL03-00 3m Nm to Nm Outdoor Rated RF Cable
JW065A	AFC7DL04-00 4m Nm to Nm Outdoor Rated RF Cable
JW068A	ANT-CBL-1 1m Nm to Nm Flexible Outdoor Rated RF Cable
JW069A	ANT-CBL-2 2m Nm to Nm Flexible Outdoor Rated RF Cable
JW070A	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 AP to an antenna by itself.



## Ordering guide

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

Part number	Description
<b>JW061A</b>	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 chassis (optional)

Part number	Description
<b>Q8N47A</b>	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>	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 AP's M20 Ethernet ports

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