



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
AP-580 Series Unified Outdoor Access Points	
R7S99A	HPE Aruba Networking AP-584 (US) Dual Radio 4x4:4 802.11ax External Antennas Unified Outdoor AP
R7T00A	HPE Aruba Networking AP-584 (RW) Dual Radio 4x4:4 802.11ax External Antennas Unified Outdoor AP
R7T01A	HPE Aruba Networking AP-584 (EG) Dual Radio 4x4:4 802.11ax External Antennas Unified Outdoor AP
R7T02A	HPE Aruba Networking AP-584 (IL) Dual Radio 4x4:4 802.11ax External Antennas Unified Outdoor AP
R7T03A	HPE Aruba Networking AP-584 (JP) Dual Radio 4x4:4 802.11ax External Antennas Unified Outdoor AP
R7T04A	HPE Aruba Networking AP-585 (US) Dual Radio 4x4:4 802.11ax Internal Omni Antennas Unified Outdoor AP
R7T05A	HPE Aruba Networking AP-585 (RW) Dual Radio 4x4:4 802.11ax Internal Omni Antennas Unified Outdoor AP
R7T06A	HPE Aruba Networking AP-585 (EG) Dual Radio 4x4:4 802.11ax Internal Omni Antennas Unified Outdoor AP
R7T07A	HPE Aruba Networking AP-585 (IL) Dual Radio 4x4:4 802.11ax Internal Omni Antennas Unified Outdoor AP
R7T08A	HPE Aruba Networking AP-585 (JP) Dual Radio 4x4:4 802.11ax Internal Omni Antennas Unified Outdoor AP
R7T09A	HPE Aruba Networking AP-587 (US) Dual Radio 4x4:4 802.11ax Internal Directional Antennas Unified Outdoor AP
R7T10A	HPE Aruba Networking AP-587 (RW) Dual Radio 4x4:4 802.11ax Internal Directional Antennas Unified Outdoor AP
R7T11A	HPE Aruba Networking AP-587 (EG) Dual Radio 4x4:4 802.11ax Internal Directional Antennas Unified Outdoor AP
R7T12A	HPE Aruba Networking AP-587 (IL) Dual Radio 4x4:4 802.11ax Internal Directional Antennas Unified Outdoor AP
R7T13A	HPE Aruba Networking AP-587 (JP) Dual Radio 4x4:4 802.11ax Internal Directional Antennas Unified Outdoor AP
AP-580 Series Unified Outdoor Access Points TAA	
R7T14A	HPE Aruba Networking AP-584 (US) TAA Dual Radio 4x4:4 802.11ax External Antennas Unified Outdoor AP
R7T15A	HPE Aruba Networking AP-584 (RW) TAA Dual Radio 4x4:4 802.11ax External Antennas Unified Outdoor AP
R7T16A	HPE Aruba Networking AP-584 (EG) TAA Dual Radio 4x4:4 802.11ax External Antennas Unified Outdoor AP
R7T17A	HPE Aruba Networking AP-584 (IL) TAA Dual Radio 4x4:4 802.11ax External Antennas Unified Outdoor AP
R7T18A	HPE Aruba Networking AP-584 (JP) TAA Dual Radio 4x4:4 802.11ax External Antennas Unified Outdoor AP
R7T19A	HPE Aruba Networking AP-585 (US) TAA Dual Radio 4x4:4 802.11ax Internal Omni Antennas Unified Outdoor AP
R7T20A	HPE Aruba Networking AP-585 (RW) TAA Dual Radio 4x4:4 802.11ax Internal Omni Antennas Unified Outdoor AP
R7T21A	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
JW061A	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
Q8N47A	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
Q8N48A	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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