



# HPE Aruba Networking 518 Series Ruggedized Access Point

High performance Wi-Fi 6 (802.11ax) for harsh  
weather environments

**Table 1.** Select AP-518 chassis

| Part number   | Description   |
|---|---|
| <b>AP-518 Unified hardened access points</b>          |   |
| <b>R4H02A</b>   | HPE Aruba Networking AP-518 (RW) 802.11n/ac Dual 2x2:2/4x4:4 Radio 6xRPSMA Connectors Indoor Hardened AP          |
| <b>R4H03A</b>   | HPE Aruba Networking AP-518 (US) 802.11n/ac Dual 2x2:2/4x4:4 Radio 6xRPSMA Connectors Indoor Hardened AP          |
| <b>R4G99A</b>   | HPE Aruba Networking AP-518 (EG) 802.11n/ac Dual 2x2:2/4x4:4 Radio 6xRPSMA Connectors Indoor Hardened AP          |
| <b>R4H00A</b>   | HPE Aruba Networking AP-518 (IL) 802.11n/ac Dual 2x2:2/4x4:4 Radio 6xRPSMA Connectors Indoor Hardened AP          |
| <b>R4H01A</b>   | HPE Aruba Networking AP-518 (JP) 802.11n/ac Dual 2x2:2/4x4:4 Radio 6xRPSMA Connectors Indoor Hardened AP          |
| <b>AP-518 Unified hardened access points FIPS/TAA</b> |   |
| <b>R4H04A</b>   | HPE Aruba Networking AP-518 (EG) FIPS/TAA 802.11n/ac Dual 2x2:2/4x4:4 Radio 6xRPSMA Connectors Indoor Hardened AP |
| <b>R4H05A</b>   | HPE Aruba Networking AP-518 (IL) FIPS/TAA 802.11n/ac Dual 2x2:2/4x4:4 Radio 6xRPSMA Connectors Indoor Hardened AP |
| <b>R4H06A</b>   | HPE Aruba Networking AP-518 (JP) FIPS/TAA 802.11n/ac Dual 2x2:2/4x4:4 Radio 6xRPSMA Connectors Indoor Hardened AP |
| <b>R4H07A</b>   | HPE Aruba Networking AP-518 (RW) FIPS/TAA 802.11n/ac Dual 2x2:2/4x4:4 Radio 6xRPSMA Connectors Indoor Hardened AP |
| <b>R4H08A</b>   | HPE Aruba Networking AP-518 (US) FIPS/TAA 802.11n/ac Dual 2x2:2/4x4:4 Radio 6xRPSMA Connectors Indoor Hardened AP |



**Table 2.** Add mounting bracket

| Part number | Description  |
|-------------|--|
| R3J15A      | AP-MNT-A Campus AP mount bracket kit (individual) type A: suspended ceiling rail, flat 9/16            |
| R3J16A      | AP-MNT-B Campus AP mount bracket kit (individual) type B: suspended ceiling rail, flat 15/16           |
| R3J17A      | AP-MNT-C Campus AP mount bracket kit (individual) type C: suspended ceiling rail, profile 9/16         |
| R3J18A      | AP-MNT-D Campus AP mount bracket kit (individual) type D: solid surface                                |
| R3J19A      | AP-MNT-E Campus AP mount bracket kit (individual) type E: wall-box                                     |
| R6T34A      | AP-MNT-MP10-B1 Campus AP mount bracket kit (10-pack) type B1: suspended ceiling rail, flat 15/16 thick |
| S0J40A      | HPE Aruba Networking AP-MNT-MP10-U Campus AP 10-Pack Universal Mount Bracket Kit                       |
| R3T20A      | AP-MNT-MP10-X Campus AP mount adapter kit (10-pack) for existing W2/W3 mounts                          |
| R9H97A      | AP-OUT-MNT-V1A Outdoor Pole/Wall Long Mount Kit  |
| JW053A      | AP-270-MNT-V2 AP-270 Series Outdoor Pole/Wall Short 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   |
| JW056A      | AP-270-MNT-ADP AP-228 to AP-270-MNT-XX Outdoor Mount Adapter   |
| R6W11A      | AP-270-MNT-H3 AP-270 Series Outdoor AP Hanging or Dual-Tilt Install Mount Kit                          |

AP-270-MNT-X and AP-OUT-MNT-X require that AP-270-MNT-ADP (JW056A) be ordered.

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

| Part number | Description  |
|-------------|--|
| R6P67A      | AP-POE-ATSR 1-Port Smart Rate 802.3at 30W Indoor Midspan Injector                          |
| R1C73A      | AP-POE-BTSR 1-Port Smart Rate 802.3bt 60W Indoor Midspan Injector                          |
| JW629A      | PD-9001GR-AC 30W 802.3at PoE+ 10/100/1000 Ethernet Indoor Rated Midspan Injector           |
| JW630A      | PD-9001GO-DC 30W 802.3at PoE+ 10/100/1000 12-24V DC in Outdoor Surge Prot Midspan Injector |
| JW700A      | PD-9001GO-NA 30W 802.3at PoE+ 10/100/1000 Otr Surge Prot NA Power Cord Mdsan Injector      |
| JW701A      | PD-9001GO-INTL 30W 802.3at PoE+ 10/100/1000 Outdoor Surge Prot Intl Power Cord 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           |



**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 antenna for radio 0 (5 GHz)

| Part number   | Description  |
|---------------|--|
| <b>S1F79A</b> | HPE Aruba Networking AP-ANT-311 Direct-Mount RP-SMA Indoor Tri-Band 1x1 Omni Dipole Antenna                            |
| <b>S1F80A</b> | HPE Aruba Networking AP-ANT-312 Direct-Mount RP-SMA Indoor Tri-Band 1x1 Low-Profile Omni Dipole Antenna                |
| <b>S1F81A</b> | HPE Aruba Networking AP-ANT-313 Cabled RP-SMA Indoor/Outdoor Tri-Band 1x1 Omni Dipole Antenna                          |
| <b>S1F85A</b> | HPE Aruba Networking AP-ANT-320 Cabled RP-SMA Indoor Tri-Band 2x2 Downtilt Omni Ceiling Antenna Direct, using pigtails |
| <b>S1F86A</b> | HPE Aruba Networking AP-ANT-325 Cabled RP-SMA Indoor/Outdoor Tri-Band 2x2 Medium Gain Directional Panel Antenna        |
| <b>S1F87A</b> | HPE Aruba Networking AP-ANT-328 Cabled RP-SMA Indoor/Outdoor Tri-Band 2x2 High Gain Directional Panel Antenna          |
| <b>JW001A</b> | AP-ANT-13B 2.4-2.5GHz (4.4dBi)/4.9-5.9GHz (3.3dBi) Downtilt Smallest Omni-Dir Single Antenna                           |
| <b>JW004A</b> | AP-ANT-19 2.4/5G Dual Band Omni-Dir 3dBi/6dBi Indr/Otdr RPSMA Cnctr Ant w/36in Intgrtd Cable                           |
| <b>JW009A</b> | AP-ANT-1W 2.4-2.5GHz (4dBi)/4.9-5.875GHz (6dBi) Hi Gain Dual-band Omni-Dir Indoor Antenna                              |
| <b>JW011A</b> | AP-ANT-20W 2.4-2.5GHz (2dBi)/4.9-5.875GHz (2dBi) Compact Omni-Dir DMt Indr White Antenna                               |
| <b>JW017A</b> | AP-ANT-40 Dual Band Downtilt Omni 4dBi 4 Elmt MIMO Ceiling Mount 4xRPSMA Pigtail Antenna                               |
| <b>JW018A</b> | AP-ANT-45 Dual Band 90x90deg 5dBi 4 Element MIMO 4xRPSMA Pigtail Antenna   |
| <b>JW019A</b> | AP-ANT-48 Dual Band 60x60deg 8dBi 4 Element MIMO 4xRPSMA Pigtail Antenna   |
| <b>JW033A</b> | ANT-3x3-5712 4.9-5.9GHz 12.0dBi 75x25deg +/- 45deg and V Pol 3 MIMO High Gain Dir Antenna                              |
| <b>JX988A</b> | ANT-4x4-5314 5.15-5.9GHz 14dBi 30x30deg Dual Pol MIMO Hi Gain Dir N-Type Outdoor Antenna                               |
| <b>Q8N49A</b> | AP-ANT-22 Dual Band 2/4dBi Omni RPSMA Low Profile 2-pk Omni Antenna  |

S1F79A, S1F80A, and S1F81A will require Qty 2 for the 2.4GHz radio. Use of ANT-3x3-5712 with the AP-518 will require N to RPSMA jumpers (AFCSJMTM-00 / JW067A) to connect the antenna to the AP, along with a single 50-ohm RP-SMA terminator to terminate the unused 5G3 connector (sourced outside of HPE Aruba Networking). Use of the ANT-4x4-5712 and ANT-4x4-5314 will require RP-SMA to N jumper cables (AFCSJMTM-00 / JW067A)



**Table 7.** Add antenna for radio 1 (2.4 GHz)

| Part number   | Description   |
|---------------|---|
| <b>S1F79A</b> | HPE Aruba Networking AP-ANT-311 Direct-Mount RP-SMA Indoor Tri-Band 1x1 Omni Dipole Antenna                     |
| <b>S1F80A</b> | HPE Aruba Networking AP-ANT-312 Direct-Mount RP-SMA Indoor Tri-Band 1x1 Low-Profile Omni Dipole Antenna         |
| <b>S1F81A</b> | HPE Aruba Networking AP-ANT-313 Cabled RP-SMA Indoor/Outdoor Tri-Band 1x1 Omni Dipole Antenna                   |
| <b>S1F82A</b> | HPE Aruba Networking AP-ANT-340 Cabled RP-SMA Indoor Tri-Band 4x4 Downtilt Omni Ceiling Antenna                 |
| <b>S1F83A</b> | HPE Aruba Networking AP-ANT-345 Cabled RP-SMA Indoor/Outdoor Tri-Band 4x4 Medium Gain Directional Panel Antenna |
| <b>S1F84A</b> | HPE Aruba Networking AP-ANT-348 Cabled RP-SMA Indoor/Outdoor Tri-Band 4x4 High Gain Directional Panel Antenna   |
| <b>JW001A</b> | AP-ANT-13B 2.4-2.5GHz (4.4dBi)/4.9-5.9GHz (3.3dBi) Downtilt Smallest Omni-Dir Single Antenna                    |
| <b>JW003A</b> | AP-ANT-16 2.4-2.5GHz (3.9dBi)/4.9-5.9GHz (4.7dBi) 3 Elmt MIMO Ant w/Downtilt Omni-Dir Antenna                   |
| <b>JW004A</b> | AP-ANT-19 2.4/5G Dual Band Omni-Dir 3dBi/6dBi Indr/Otdr RPSMA Cnctr Ant w/36in Intgrtd Cable                    |
| <b>JW009A</b> | AP-ANT-1W 2.4-2.5GHz (4dBi)/4.9-5.875GHz (6dBi) Hi Gain Dual-band Omni-Dir Indoor Antenna                       |
| <b>JW011A</b> | AP-ANT-20W 2.4-2.5GHz (2dBi)/4.9-5.875GHz (2dBi) Compact Omni-Dir DMt Indr White Antenna                        |
| <b>JW012A</b> | AP-ANT-25A Dual Band 90x90deg 5dBi +/- 45 Pol 2 Element MIMO 2xRPSMA Pigtail Antenna                            |
| <b>S0A66A</b> | AP-ANT-28A Dual Band 70x50deg 7.0dBi +/- 45 Pol 2 Element MIMO 2xRPSMA Pigtail Antenna                          |
| <b>JW024A</b> | ANT-2x2-2314 2.4 GHz 14dBi 30x30deg Dual Pol MIMO High Gain Dir N-Type Outdoor Antenna                          |
| <b>Q8N49A</b> | AP-ANT-22 Dual Band 2/4dBi Omni RPSMA Low Profile 2-pk Omni Antenna   |

S1F79A, S1F80A, S1F81A will require Qty 4 for the 5GHz radio. Use of ANT-2x2-2314 with AP-518 will require N to RPSMA jumpers (AFCSJMTM-00 / JW067A) to connect the antenna to the AP

**Table 8.** Add antenna mount kit for AP-ANT-25A, AP-ANT-28, AP-ANT-40, AP-ANT-45, AP-ANT-48

| Part number   | Description  |
|---------------|--|
| <b>S1J09A</b> | HPE Aruba Networking AP-ANT-MNT-U Universal AZ/EL Adjustable Antenna Pole/Wall Mount Kit |
| <b>JW020A</b> | AP-ANT-MNT-3 AP-ANT-25A/35A/38 Azimuth and Elevation Adjustable Mount Kit                |
| <b>JW021A</b> | AP-ANT-MNT-4 AP-ANT-28A and AP-ANT-48 Azimuth and Elevation Adjustable Mount Kit         |
| <b>JW022A</b> | AP-ANT-MNT-5 AP-ANT-45 Azimuth and Elevation Adjustable Mount Kit                        |

S1J09A mounting bracket to be used for all Tri-Band panel antennas (S1F85A, S1F86A, S1F87A, S1F82A, S1F83A, and S1F84A).



**Table 9.** Add RF jumpers for ANT-2X2-2314, ANT-2X2-5314, OR ANT-3X3-5712

| Part number   | Description  |
|---------------|--|
| <b>JW066A</b> | AFC2DL60-00 Indoor AP RPSMAM to Nf 60cm Flexible Indoor Rated RF Cable |
| <b>JW067A</b> | AFCSJMTM-00 Indoor AP RPSMAM to Nm 60cm Flexible Indoor Rated RF Cable |

**Table 10.** Spares of items that are shipped with the AP-518 chassis

| 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 |
| <b>Q8N48A</b> | Outdoor AP Metric to Standard M20 to 1/2 inch NPT 5-pk Thread Adapter                              |

**Table 11.** Accessories

| Part number   | Description  |
|---------------|--|
| <b>JZ370A</b> | AP-MNT-MP10-A Campus AP mount bracket kit (10-pack) type A: suspended ceiling rail, flat 9/16    |
| <b>Q9G69A</b> | AP-MNT-MP10-B Campus AP mount bracket kit (10-pack) type B: suspended ceiling rail, flat 15/16   |
| <b>Q9G70A</b> | AP-MNT-MP10-C Campus AP mount bracket kit (10-pack) type C: suspended ceiling rail, profile 9/16 |
| <b>Q9G71A</b> | AP-MNT-MP10-D Campus AP mount bracket kit (10-pack) type D: solid surface                        |
| <b>R1C72A</b> | AP-MNT-MP10-E Campus AP mount bracket kit (10-pack) type E: wall-box                             |

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