

## ORDERING GUIDE

# ARUBA 518 SERIES RUGGEDIZED ACCESS POINT

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

### 1. SELECT AP-518 CHASSIS

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

### 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
R3T20A	AP-MNT-MP10-X Campus AP mount adapter kit (10-pack) for existing W2/W3 mounts
JW056A	AP-270-MNT-ADP AP-228 to AP-270-MNT-XX Outdoor Mount Adapter
JW052A	AP-270-MNT-V1 AP-270 Series 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
R6W11A	AP-270-MNT-H3 AP-270 Series Outdoor AP Hanging or Dual-Tilt Install Mount Kit

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



### 3. ADD POE POWERING ACCESSORIES FOR UNITS TO BE POE POWERED

Part Number	Description
JW629A	PD-9001GR-AC 30W 802.3at PoE+ 10/100/1000 Ethernet Indoor Rated Midspan Injector
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
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 Otdr 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

### 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

### 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



## 6. ADD ANTENNA FOR RADIO 0 (5 GHZ)

Part Number	Description
JW009A	AP-ANT-1W 2.4-2.5GHz (4dBi)/4.9-5.875GHz (6dBi) Hi Gain Dual-band Omni-Dir Indoor Antenna
JW001A	AP-ANT-13B 2.4-2.5GHz (4.4dBi)/4.9-5.9GHz (3.3dBi) Downtilt Smallest Omni-Dir Single Antenna
JW004A	AP-ANT-19 2.4/5G Dual Band Omni-Dir 3dBi/6dBi Indr/Otdr RPSMA Cnctr Ant w/36in Intgrtd Cable
JW011A	AP-ANT-20W 2.4-2.5GHz (2dBi)/4.9-5.875GHz (2dBi) Compact Omni-Dir DMt Indr White Antenna
Q8N49A	AP-ANT-22 Dual Band 2/4dBi Omni RPSMA Low Profile 2-pk Omni Antenna
JW017A	AP-ANT-40 Dual Band Downtilt Omni 4dBi 4 Elmt MIMO Ceiling Mount 4xRPSMA Pigtail Antenna
JW018A	AP-ANT-45 Dual Band 90x90deg 5dBi 4 Element MIMO 4xRPSMA Pigtail Antenna
JW019A	AP-ANT-48 Dual Band 60x60deg 8dBi 4 Element MIMO 4xRPSMA Pigtail Antenna
JW033A	ANT-3x3-5712 4.9-5.9GHz 12.0dBi 75x25deg +/- 45deg and V Pol 3 MIMO High Gain Dir Antenna
JX988A	ANT-4x4-5314 5.15-5.9GHz 14dBi 30x30deg Dual Pol MIMO Hi Gain Dir N-Type Outdoor Antenna

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 Aruba). Use of the ANT-4x4-5712 and ANT-4x4-5314 will require RP-SMA to N jumper cables (AFCSJMTM-00 / JW067A)

## 7. ADD ANTENNA FOR RADIO 1 (2.4 GHZ)

Part Number	Description
JW009A	AP-ANT-1W 2.4-2.5GHz (4dBi)/4.9-5.875GHz (6dBi) Hi Gain Dual-band Omni-Dir Indoor Antenna
JW001A	AP-ANT-13B 2.4-2.5GHz (4.4dBi)/4.9-5.9GHz (3.3dBi) Downtilt Smallest Omni-Dir Single Antenna
JW003A	AP-ANT-16 2.4-2.5Ghz (3.9dBi)/4.9-5.9GHz (4.7dBi) 3 Elmt MIMO Ant w/Downtilt Omni-Dir Antenna
JW004A	AP-ANT-19 2.4/5G Dual Band Omni-Dir 3dBi/6dBi Indr/Otdr RPSMA Cnctr Ant w/36in Intgrtd Cable
JW011A	AP-ANT-20W 2.4-2.5GHz (2dBi)/4.9-5.875GHz (2dBi) Compact Omni-Dir DMt Indr White Antenna
Q8N49A	AP-ANT-22 Dual Band 2/4dBi Omni RPSMA Low Profile 2-pk Omni Antenna
JW012A	AP-ANT-25A Dual Band 90x90deg 5dBi +/- 45 Pol 2 Element MIMO 2xRPSMA Pigtail Antenna
JW013A	AP-ANT-28 Dual Band 60x60deg 8dBi +/- 45 Pol 2 Element MIMO 2xRPSMA Pigtail Antenna
JW024A	ANT-2x2-2314 2.4 GHz 14dBi 30x30deg Dual Pol MIMO High Gain Dir N-Type Outdoor Antenna

Use of ANT-2x2-2314 with AP-518 will require N to RPSMA jumpers (AFCSJMTM-00 / JW067A) to connect the antenna to the AP

## 8. ADD ANTENNA MOUNT KIT FOR AP-ANT-25A, AP-ANT-28, AP-ANT-40, AP-ANT-45, AP-ANT-48

Part Number	Description
JW020A	AP-ANT-MNT-3 AP-ANT-25A/28/35A/38 Azimuth and Elevation Adjustable Mount Kit
JW021A	AP-ANT-MNT-4 AP-ANT-48 Azimuth and Elevation Adjustable Mount Kit
JW022A	AP-ANT-MNT-5 AP-ANT-45 Azimuth and Elevation Adjustable Mount Kit

## 9. ADD RF JUMPERS FOR ANT-2X2-2314, ANT-2X2-5314, OR ANT-3X3-5712

Part Number	Description
JW066A	AFC2DL60-00 Indoor AP RPSMAm to Nf 60cm Flexible Indoor Rated RF Cable
JW067A	AFCSJMTM-00 Indoor AP RPSMAm to Nm 60cm Flexible Indoor Rated RF Cable



## 10. SPARES OF ITEMS THAT ARE SHIPPED WITH THE AP-518 CHASSIS

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

## 11. ACCESSORIES

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