

# AP-120 CONFIGURATION GUIDE

## 1. Select AP-120 model

Part number	Description	Configuration impact
AP-120	Single radio 802.11abgn 3x3 AP, antenna connectors	Add POE injector or AC adapter, antennas
AP-121	Single radio 802.11abgn 3x3 AP, integrated antennas	Add POE injector or AC adapter
AP-124	Dual radio 802.11abgn 3x3 AP, antenna connectors	Add POE injector or AC adapter, antennas
AP-125	Dual radio 802.11abgn 3x3 AP, integrated antennas	Add POE injector or AC adapter

Note: the AP-120 and AP-124 have 3 RP-SMA female antenna connectors.

## 2. Add powering accessories (optional)

Select one of the following:

Part number	Description	Configuration impact
PD-9001G-AC	POE midspan injector, 10/100/1000 802.3at single port	Add AC power cable
AP-AC-ARG-2	5Vdc AC power adapter (20W), Argentina version	Ships with cable
AP-AC-AUS-2	5Vdc AC power adapter (20W), Australia version	Ships with cable
AP-AC-BR-2	5Vdc AC power adapter (20W), Brazil version	Ships with cable
AP-AC-CHN-2	5Vdc AC power adapter (20W), China version	Ships with cable
AP-AC-DEN-2	5Vdc AC power adapter (20W), Denmark version	Ships with cable
AP-AC-EC-2	5Vdc AC power adapter (20W), Continental Europe version	Ships with cable
AP-AC-IN-2	5Vdc AC power adapter (20W), India version	Ships with cable
AP-AC-IT-2	5Vdc AC power adapter (20W), Italy version	Ships with cable
AP-AC-JPN-2	5Vdc AC power adapter (20W), Japan version	Ships with cable
AP-AC-KOR-2	5Vdc AC power adapter (20W), Korea version	Ships with cable
AP-AC-LA-2	5Vdc AC power adapter (20W), North America 2 prong version	Ships with cable
AP-AC-NA-2	5Vdc AC power adapter (20W), North America version	Ships with cable
AP-AC-SWI-2	5Vdc AC power adapter (20W), Switzerland version	Ships with cable
AP-AC-UK-2	5Vdc AC power adapter (20W), United Kingdom version	Ships with cable
AP-AC-ZA-2	5Vdc AC power adapter (20W), South Africa version	Ships with cable

Select 3-prong AC power cord for injector (no separate power cable needed for adapter):

Part number	Description
PC-AC-ARG	Argentina version
PC-AC-AUS	Australia version
PC-AC-BR	Brazil version
PC-AC-CHN	China version
PC-AC-DEN	Denmark version
PC-AC-EC	Continental Europe version
PC-AC-IN	India version
PC-AC-IL	Israel version
PC-AC-IT	Italy version
PC-AC-JPN	Japan version
PC-AC-KOR	Korea version
PC-AC-NA	North America version
PC-AC-SWI	Switzerland version
PC-AC-UK	United Kingdom version
PC-AC-ZA	South Africa version

### 3. Add basic accessories (optional)

Part number	Description
AP-120-MNT	Aruba 120 Series Access Point Wall / Ceiling Mounting Kit
AP-120-MNT-WJ	Secure mounting box for AP-121 and AP-125
AP-120-MNT-CV	Cable cover for AP-121 and AP-125
AP-105-MNT-C	Aruba 105 Access Point ceiling mount adapters (compatible with 120 Series)

### 4. Select antennas (AP-120 and AP-124 only)

Indoor deployments:

Part number	Qty	Interface(s)	Target env.	Mounting
AP-ANT-1B/1F	3	1x RP-SMA male connector	Indoor	Direct-mount
AP-ANT-13B	3	1x RP-SMA male pigtail	Indoor	Direct, using pigtails
AP-ANT-16	1	3x RP-SMA male pigtail	Indoor	Direct, using pigtails
AP-ANT-17	1	3x RP-SMA male pigtail	Indoor/outdoor	Direct, using pigtails
AP-ANT-18	1	3x RP-SMA male pigtail	Indoor/outdoor	Direct, using pigtails
AP-ANT-19	3	1x RP-SMA male pigtail	Indoor/outdoor	Direct, using pigtails

For AP-120 deployments with (single-band) antennas outdoor only (not typical):

Part number	Qty	Interface(s)	Target env.	Mounting
AP-ANT-90	1	2x N-type male pigtails	Outdoor	Use N/f to RP-SMA/m adapter (2x)
AP-ANT-92	1	3x N-type male pigtails	Outdoor	Use N/f to RP-SMA/m adapter (3x)
AP-ANT-93	1	3x N-type male pigtails	Outdoor	Use N/f to RP-SMA/m adapter (3x)
ANT-2x2-2005	1	2x N-type male connectors	Outdoor	Use N/f to RP-SMA/m adapter (2x)
ANT-2x2-5005	1	2x N-type male connectors	Outdoor	Use N/f to RP-SMA/m adapter (2x)
ANT-2x2-D607	1	2x N-type male pigtails	Indoor/outdoor	Use N/f to RP-SMA/m adapter (2x)
ANT-2x2-D805	1	2x N-type male pigtails	Indoor/outdoor	Use N/f to RP-SMA/m adapter (2x)
ANT-2x2-2714	1	2x N-type female connectors	Outdoor	Use N/f (with extension) or N/m (direct) to RP-SMA/m adapter (2x)
ANT-2x2-5614	1	2x N-type female connectors	Outdoor	Use N/f (with extension) or N/m (direct) to RP-SMA/m adapter (2x)

For AP-124 deployments with (dual-band) antennas outdoor only (not typical):

Part number	Qty	Interface(s)	Target env.	Mounting
AP-ANT-92	1	3x N-type male pigtails	Outdoor	Use N/f to RP-SMA/m adapter (3x)

## 5. Add antenna mount kit (optional)

Compatible with AP-ANT-17, AP-ANT-18, AP-ANT-92, AP-ANT-93, ANT-2x2-D607 and ANT-2x2-D805.

Part number	Description
AP-ANT-MNT-1	Azimuth and Elevation adjustable Mount Kit for pole or wall mounting

Note: Antenna AP-ANT-93 (only) ships with this mount kit.

## 6. Add indoor antenna filter (optional)

Part number	Description
AP-HPF-SMA	In-line RF antenna cellular interference filter (high-pass). RP-SMA connectors

## 7. Add RF adapters (when using outdoor antennas)

Add the following (if needed):

Part number	Description	
AFC2DL60-00	N/f to RP-SMA/m adapter cable (60cm)	
AFCSJMTM-00	N/m to RP-SMA/m adapter cable (60cm)	

## 8. Add RF connection and extension cables (optional, when using outdoor antennas)

Select from following outdoor RF cables (optional, depending on antenna model and mounting method):

Part number	Description	Compatible antennas
AFC7DL01-00	Connection; N-type male connectors, 1m	AP-ANT-93, ANT-2x2-2714 and ANT-2x2-5614 (optional)
AFC7DL02-00	Connection; N-type male connectors, 2m	
AFC7DL03-00	Connection; N-type male connectors, 3m	
AFC7DL04-00	Connection; N-type male connectors, 4m	
AP-CBL-1	Extension; N-type male to N-type female connectors, 10ft	All (optional)

## 9. Add lightning surge arrestors (optional, when using outdoor antennas)

Only needed when outdoor cable run length exceeds 3m. Use one per active antenna interface.

Part number	Description
AP-LAR-1	N-type male to N-type female in-line lightning surge arrestor (2GHz-6GHz)