

aruba a Hewlett Packard Enterprise company																									
Feature	AP-103	AP-204/205	AP-207	AP-214/215	AP-224/225	AP-304/305	AP-314/315	AP-324/325	AP-334/335	AP-103H	AP-203H	AP-205H	AP-303H	RAP-3WN / RAP-3WNP	RAP-108/109	AP-203R	AP-228	AP-365	AP-367	AP-274	AP-275	AP-277			
Description	Indoor 11n AP	Indoor 11ac AP	Indoor 11ac AP	Indoor 11ac AP	Indoor 11ac AP	Indoor 11ac Wave2 AP	Indoor 11ac Wave2 AP	Indoor 11ac Wave2 AP	Indoor 11ac Wave2 AP	Indoor 11n AP	Indoor 11ac AP	Indoor 11ac AP	Indoor 11ac AP	Indoor 11n AP	Indoor 11n AP	Indoor 11ac AP	Indoor Temp Hardened 11ac AP	Outdoor 11ac Wave2 AP	Outdoor 11ac Wave2 AP	Outdoor 11ac IP66/67	Outdoor 11ac IP66/67	Outdoor 11ac IP66/67			
SW type	AOS/Instant	AOS/Instant	AOS/Instant	AOS/Instant	AOS/Instant	AOS/Instant	AOS/Instant	AOS/Instant	AOS/Instant	AOS	Unified	AOS/Instant	Unified	Instant (AOS RAP)	Instant (AOS RAP)	Unified	AOS/Instant	Unified	Unified	AOS/Instant	AOS/Instant	AOS/Instant			
Number of radios	2	2	2	2	2	2	2	2	2	2	1/2	2	2	1	2	1/2	2	2	2	2	2	2			
Supported band(s)	D8	D8	D8	D8	D8	D8	D8	D8	D8	D8	D8	D8	D8	D8	D8	D8	D8	D8	D8	D8	D8	D8			
Radio MIMO type	2x2:2	2x2:2	2x2:2	3x3:3	3x3:3	2x2:2 (2.4GHz), 3x3:3 (5GHz)	2x2:2 (2.4GHz), 4x4:4 (5GHz)	4x4:4	4x4:4	2x2:2	2x2:1 / 1x1:1	2x2:2	2x2:2	2x2:2	2x2:2	2x2:1 / 1x1:1	3x3:3	2x2:2 (2.4GHz), 2x2:2 (5GHz)	2x2:2 (2.4GHz), 2x2:2 (5GHz)	3x3:3	3x3:3	3x3:3			
Max number of BSSIDs (per radio)	16	16	16	16	16	16	16	16	16	16	8	16	16	16	16	16	16	16	16	16	16	16			
Max number of associated clients per radio (limit tunnel mode / limit other modes / limit recommended, AES centralized)	255 / 110 / 50	255 / 255 / 50	255 / 255 / 50	255 / 255 / 50	255 / 255 / 50	255 / 255 / 100	255 / 255 / 75	255 / 255 / 75	255 / 255 / 100	32 / 32 / 10	32 / 32 / 10	255 / 255 / 50	255 / 255 / 50	255 / 110 / 25	255 / 110 / 50	255 / 255 / 50	255 / 255 / 100	255 / 255 / 75	255 / 255 / 75	255 / 255 / 100	255 / 255 / 100	255 / 255 / 100			
Max Tx power (per radio chain, MCS0)	18dBm	18dBm	18dBm	18dBm	18dBm	18dBm	18dBm	18dBm	18dBm	18dBm	18dBm	18dBm	18dBm	17dBm	18dBm	18dBm	23dBm	18dBm	18dBm	23dBm	23dBm	23dBm			
2.4GHz/5GHz	18dBm	18dBm	18dBm	18dBm	18dBm	18dBm	18dBm	18dBm	18dBm	18dBm	17dBm	18dBm	18dBm	18dBm	18dBm	18dBm	23dBm	18dBm	22dBm	23dBm	23dBm	23dBm			
Radio chipset	AR9344 (2.4GHz) AR9582 (5GHz)	BCM43520 (2x)	BCM43570 (2.4GHz) BCM47452 (5GHz)	BCM43460 (2x)	BCM43460 (2x)	QCA9992 (5GHz) IPQ4029 (2.4GHz)	QCA9994 (5GHz) QCA9983 (2.4GHz)	QCA9990 (2x)	QCA9994 (2x)	AR9344 (2.4GHz) AR9582 (5GHz)	BCM47452	BCM43520 (2x)	IPQ4029	AR9344	AR9344 (2.4GHz) AR9582 (5GHz)	BCM47452	BCM43460 (2x)	QCA9992 (5GHz) IPQ4029 (2.4GHz)	QCA9992 (5GHz) IPQ4029 (2.4GHz)	BCM43460 (2x)	BCM43460 (2x)	BCM43460 (2x)			
RF connectors (RP-SMA indoor, N-female outdoor)	No	2xDB (AP-204)	No	3xDB (AP-214)	3xDB (AP-224)	3xDB (AP-314)	4xDB (AP-314)	4xDB (AP-324)	4xDB (AP-334)	No	No	No	No	No	2x DB (RAP-108)	omni	3x2.4GHz (AP-274) 3x5GHz (AP-274)	No	2x 2.4GHz Dir 2x 5GHz Omni	2x 2.4GHz Dir 2x 5GHz Dir	No	No			
Integrated antennas	omni downtilt	omni downtilt (AP-205)	omni downtilt (AP-205)	omni downtilt (AP-215)	omni downtilt (AP-225)	3x omni downtilt (AP-315)	6x omni downtilt (AP-315)	omni downtilt (AP-325)	12x omni downtilt (AP-335)	Moderately Directional	Moderately Directional	Slightly Directional	Moderately Directional	2x 2.4GHz omni	4x omni (RAP-109)	directional	No	2x 2.4GHz Omni 2x 5GHz Omni	2x 2.4GHz Dir 2x 5GHz Dir	No	3x 2.4GHz Omni 3x 5GHz Dir	3x 5GHz Dir			
Advanced Cellular Coexistence (ACC)	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes			
CPU	QCA AR9344 (MIPS32 74K) 560MHz	Broadcom BCM53014 (ARM) 1GHz	Broadcom BCM47452 (ARM A7) 900MHz	Freescale P1010 (PowerPC, single core) 800MHz	Freescale P1020 (PowerPC, dual core) 800MHz	QCA IPQ4029 (ARM, quad core) 710MHz	QCA IPQ8064 (Krait, dual core) 1.4GHz	QCA IPQ8064 (Krait, dual core) 1.4GHz	Freescale T1024 (PowerPC, dual core) 1.2GHz	QCA AR9344 (MIPS32 74K) 560MHz	Broadcom BCM47452 (ARM A7) 900MHz	Broadcom BCM53014 (ARM) 1GHz	Qualcomm IPQ4029 (ARM A7) 710MHz	Atheros AR9344 (MIPS32 74K) 560MHz	Atheros AR9344 (MIPS32 74K) 560MHz	Broadcom BCM47452 (ARM A7) 900MHz	Freescale P1020 (PowerPC, dual core) 800MHz	QCA IPQ4029 (ARM, quad core) 710MHz	QCA IPQ4029 (ARM, quad core) 710MHz	Freescale P1020 (PowerPC, dual core) 800MHz	Freescale P1020 (PowerPC, dual core) 800MHz	Freescale P1020 (PowerPC, dual core) 800MHz			
SDRAM size	128MB	128MB	256MB	256MB	256MB	512MB	512MB	512MB	512MB	64MB	256MB	128MB	128MB	128MB	128MB	256MB	512MB	512MB	512MB	512MB	512MB	512MB			
Flash size	32MB	32MB	128MB	32MB	32MB	128MB	128MB	128MB	128MB	16MB	128MB	32MB	128MB	16MB	32MB	128MB	32MB	128MB	128MB	32MB	32MB	32MB			
TPM present	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	No	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes			
802.3ae	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes			
Network interfaces	1xGE	1xGE	1xGE	1xGE	2xGE	1xGE	1xGE	2xGE	1x2x5GE + 1xGE	1xGE + 2xFE	1xGE + 1xGE	1xGE + 3xGE	1xGE + 3xGE	3xFE	1xGE, 1xFE	1xGE + 2xGE	2xGE	1xGE	1xGE	2xGE	2xGE	2xGE			
Jumbo frame support on uplink	No (1500)	Yes (3500)	Yes (9000)	Yes (9000)	Yes (9000)	Yes (9000)	Yes (9000)	Yes (9000)	Yes (9000)	No (1500)	Yes (3500)	Yes (3500)	Yes (9000)	No (1500)	No (1500)	Yes (3500)	Yes (9000)	Yes (9000)	Yes (9000)	Yes (9000)	Yes (9000)	Yes (9000)			
MACSec HW support	No	No	No	No	Yes	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No			
BLE radio	No	No	No	Yes	No	Yes	No	Yes	Yes	No	No	No	Yes	No	No	Yes	No	Yes	Yes	No	No	No			
USB host interface, max power	No	No	No	No	Yes, 5W	Yes, 2.5W	Yes, 5W	Yes, 5W	Yes, 5W	No	Yes (BLE only)	Yes, 5W	Yes (5W)	Yes, 3W (0.6A)	Yes, 5W (early units: 2.5W)	Yes (BLE only)	No	No	No	No	No	No			
Console port	header	RJ45	header	RJ45	RJ45	header	header	RJ45	RJ45	header	uUSB	header	uUSB	header	RJ45	uUSB	mUSB	mUSB	mUSB	mUSB	mUSB	mUSB			
POE PD power	3af	3af	3af	3af/3at	3af/3at	3af/3at	3af/3at	3af/3at	3af/3at	3af	3af	3af / 3at	3af/3at	No / 802.3af	No / 802.3af	No / 802.3af	3at	3af	3af	3at	3at	3at			
POE PSE	No	No	No	No	No	No	No	No	No	No	No	802.3af	802.3af	No / 802.3af	No / 802.3af	No / 802.3af	No	No	No	No	No	No			
DC power support	12V	12V	12V	12V	12V	12V	12V	12V	48V	12V	No	48V	48V	12V (2WN) / 48V (3WNP)	12V	No	POE Only	No	No	POE Only	POE Only	POE Only			
Ships with AC to DC adapter	No	No	No	No	No	No	No	No	No	No	No	No	No	Yes (cord Not included for RAP-3WNP)	No	No	No	No	No	No	No	No			
AC power support	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	Yes (cbl incl)	No	No	No	Yes	Yes	Yes			
Intelligent Power Monitoring (IPM) Support	No	No	No	No	No	Yes	Yes	No	Yes	No	No	No	Yes	No	No	No	No	Yes	Yes	No	No	No			
Restrictions from 802.3af POE (without IPM)	None	None	None	USB	USB, 2nd Ethernet, 1x3 on 2.4GHz	USB	USB, -3dB on 2.4GHz	USB, 2nd Ethernet, 1x1 on both radios, -3dB on both radios	USB, 2nd Ethernet, 1x1 on both radios, -3dB on both radios	None	None	USB, POE-PSE	USB, POE-PSE	n/a	None	None	N/A	None	None	N/A	N/A	N/A			
Restrictions from 802.3at POE (without IPM)	None	None	None	None	None	None	None	None	USB	None	n/a	USB or POE-PSE	USB, POE-PSE	n/a	None	n/a		n/a	n/a						
Temperature range	0C to +40C	0C to +40C	0C to +50C	0C to +50C	0C to +50C	0C to +50C	0C to +50C	0C to +50C	0C to +50C	0C to +40C	0C to +40C	0C to +40C	0C to +40C	0C to +40C	0C to +40C	0C to +40C	-40C to +60C	-40C to +55C	-40C to +55C	-40C to +65C	-40C to +65C	-40C to +65C			
Enclosure type	Plastic	Plastic/metal	Plastic/metal	Plastic/metal	Plastic/metal	Plastic/metal	Plastic/metal	Plastic/metal	Plastic/metal	Plastic	Plastic	Plastic/metal	Plastic/metal	Plastic	Plastic	Plastic	Plastic/metal	Plastic/metal	Plastic/metal	Plastic/metal	Plastic/metal	Plastic/metal			
Enclosure volume (mm3)	150 x 150 x 41.5	150 x 150 x 41.5	150 x 180 x 45	180 x 180 x 45	203 x 203 x 54	165 x 165 x 38	182 x 180 x 48	203 x 203 x 57	225 x 224 x 52	86 x 140 x 30	86 x 140 x 26.5	86 x 150 x 40	86 x 150 x 40	129 x 109 x 64	181 x 160 x 72	86 x 140 x 26.5	203 x 203 x 54	165 x 165 x 80	165 x 165 x 80	230 x 240 x 140	230 x 240 x 270	230 x 240 x 190			
Weight (unit only, with desk mount)	300g	380g	380g	610g	750g	460g	650g	950g	1150g	260g	275g	375g	375g	375g	375g	375g	1225g	800	800	2.4kg	2.4kg	2.1kg			
Plenum rated	No	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	No	Yes	No	No	No	No	Yes	Yes	Yes	Yes	Yes	Yes			
Announced	Feb '14	May '14	Sep '16	Aug '14	May '13	Sep '16	May '16	May '15	March '16	Jun '14	Feb '17	Feb '15	Feb '17	41106	41281	Feb '17	Feb '15	Dec '16	Dec '16	Feb '14	Feb '14	Feb '15			
FCS	Mar '14	Jun '14 (AOS) Sept '14 (Instant)	Oct '16 (AOS) Dec '16 (Instant)	August '14	Jun '13	Oct '16 (AOS) Dec '16 (Instant)	June '16	August '15	June '16	Jul '14	Mar '17	Mar '15	Mar '17	April '12	Jan '13	Mar '17	Apr '15	Feb '17	Feb '17	Mar '14	Mar '14	Apr '15			
US list price	\$395	\$695	\$395	\$995	\$1295	\$695	\$995	\$1395	\$1,695	\$345	\$295	\$695	\$495	\$295 / \$345	\$595	\$295	\$1495	\$1295	\$1295	\$1595	\$1595	\$2195			
Lifetime Warranty	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes			
Minimum AOS SW version	6.4.0.0	6.4.1.0	6.5.1.0	8.1.0.0	6.4.2.0	6.3.0.0	6.5.1.0	8.1.0.0	6.5.0.0	6.4.4.0	6.5.0.0	6.4.1.0	6.5.2.0 / 8.2.0.0	6.4.3.0	6.2.0.0	6.5.2.0 / 8.2.0.0	6.4.3.0	6.5.2.0 / 8.1.0.0	6.5.2.0 / 8.1.0.0	6.4.0.0	6.4.0.0	6.4.3.0			
Minimum Instant SW version	4.1.0.0	4.1.1.0	4.3.1.0	4.1.1.0	4.0.0.0	4.3.1.0	4.3.0.0	4.2.0.0	4.3.0.0	N/A	6.5.3.0 / 8.2.0.0	4.2.0.0	6.5.2.0 / 8.2.0.0	3.0.0.0	3.2.0.0	6.5.2.0 / 8.2.0.0	4.1.2.0	4.3.2.0	4.3.2.0	4.1.0.0	4.1.0.0	4.1.2.0			
EOS date	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD			
Spectrum Analysis Support	Yes	Yes	No	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes			
Max power consumption (excluding USB, POE PSE) [adder for USB: USB power * 1.2]	8W (DC) 9.5W (POE)	11.7W (DC) 12.5W (POE)	10.1W (DC) 12.3W (POE)	13.6W (DC) 13.6W/14.9W (POE)	15.6W (DC) 13.4W/17.2W (POE)	11W (DC) 13W (POE)	12.7W (DC) 13.6W/14.4W (POE)	18.5W (DC) 13.5W/20W (POE)	25W (DC) 13.2W/25.3W (POE)	8.3W (DC) 9.4W (POE)	7.4W	12W (DC) 13W (POE)	9.7W	4.0W / 5.5W	12.5W	8.2W	23W</								