



Wi-Fi	AP 6WA Wall Plate	AP 6WB Wall Plate PoE Out	AP 6SA Indoor Standard	AP 6NA Indoor High-Density	AP 6RA Outdoor
Standard	IEEE 802.11ax - Wi-Fi 6 Concurrent 802.11ax and 802.11a/b/g/n/ac				
Radio	Dual-radio, dual-band: <ul style="list-style-type: none"> 2.4GHz 11ax: 2x2 MIMO 5GHz 11ax: 2x2 MIMO 	Dual-radio, dual-band: <ul style="list-style-type: none"> 2.4GHz 11ax: 2x2 MIMO 5GHz 11ax: 2x2 MIMO 	Dual-radio, dual-band: <ul style="list-style-type: none"> 2.4GHz 11ax: 2x2 MIMO 5GHz 11ax: 2x2 MIMO 	Tri-radio, dual-band: <ul style="list-style-type: none"> 2.4GHz 11ax: 4x4 MIMO 5GHz 11ac: 2x2 MIMO 5GHz 11ax: 4x4 MIMO 	Dual-radio, dual-band: <ul style="list-style-type: none"> 2.4GHz 11ax / 5GHz 11ax: 2x2 MIMO 5GHz 11ax: 2x2 MIMO
Operating Bands May vary by country	<ul style="list-style-type: none"> 802.11b/g/n/ax: 2.4GHz~2.483GHz 802.11a/n/ac/ax: 5.150~5.350GHz, 5.47~5.725GHz, 5.725~5.850GHz 	<ul style="list-style-type: none"> 802.11b/g/n/ax: 2.4GHz~2.483GHz 802.11a/n/ac/ax: 5.150GHz~5.350GHz, 5.470GHz~5.725GHz, 5.725GHz~5.850GHz 	<ul style="list-style-type: none"> 802.11b/g/n/ax, 2.4GHz~2.4835GHz, HE40 802.11a/n/ac/ax, 5.150GHz~5.350GHz, HE80/HE160 802.11a/n/ac, 5.470GHz~5.725GHz, 5.725GHz~5.850GHz, HE80 	<ul style="list-style-type: none"> 802.11b/g/n/ax: 2.4GHz~2.483GHz 802.11a/n/ac/ax: 5.150GHz~5.350GHz, 5.47GHz~5.725GHz, 5.725GHz~5.850GHz 	<ul style="list-style-type: none"> 802.11b/g/n/ac/ax: 2.4GHz~2.4835GHz 802.11a/n/ac/ax: 5GHz: 5.150~5.350GHz, 5.725~5.850GHz
Spatial Streams	4 streams, MU-MIMO	4 streams, MU-MIMO	4 streams, MU-MIMO	10 streams, MU-MIMO	4 streams, MU-MIMO
Max Throughput	Up to 1.775Gbps <ul style="list-style-type: none"> 2.4GHz: 574Mbps 5GHz: 1.2Gbps 	Up to 2.976 Gbps <ul style="list-style-type: none"> 2.4GHz: 574Mbps 5GHz: 2.402Gbps 	Up to 2.976Gbps <ul style="list-style-type: none"> 2.4GHz: 574Mbps 5GHz: 2.402Gbps 	Up to 6.817Gbps <ul style="list-style-type: none"> 2.4 GHz: 1.15Gbps 5.8 GHz: 0.867Gbps 5.2 GHz: 4.8Gbps 	Up to 2.4Gbps <ul style="list-style-type: none"> 2.4GHz: 0.575Gbps / 5 GHz: 1.2Gbps 5 GHz: 1.2Gbps
Modulation	<ul style="list-style-type: none"> DSSS: DBPSK@1 Mbps, DQPSK@2 Mbps, and CCK@5.5/11 Mbps OFDM: BPSK@6/9 Mbps, QPSK@12/18 Mbps, 16-QAM@24 Mbps, 64-QAM@48/54 Mbps MIMO-OFDM: QPSK, 16QAM, 64QAM, 256QAM and 1024QAM OFDMA 	<ul style="list-style-type: none"> DSSS: DBPSK@1 Mbps, DQPSK@2 Mbps, and CCK@5.5/11 Mbps OFDM: BPSK@6/9 Mbps, QPSK@12/18 Mbps, 16-QAM@24 Mbps, 64-QAM@48/54 Mbps MIMO-OFDM: BPSK, QPSK, 16QAM, 64QAM, 256QAM, and 1024QAM OFDMA 	<ul style="list-style-type: none"> OFDM: BPSK@6/9 Mbps, QPSK@12/18 Mbps, 16-QAM@24 Mbps, 64-QAM@48/54 Mbps DSSS: DBPSK@1 Mbps, DQPSK@2 Mbps, and CCK@5.5/11 Mbps MIMO-OFDM: BPSK, QPSK, 16QAM, 64QAM, 256QAM and 1024QAM OFDMA 	<ul style="list-style-type: none"> OFDM: BPSK@6/9 Mbps, QPSK@12/18 Mbps, 16-QAM@24 Mbps, 64-QAM@48/54 Mbps DSSS: DBPSK@1 Mbps, DQPSK@2 Mbps, and CCK@5.5/11 Mbps MIMO-OFDM: BPSK, QPSK, 16QAM, 64QAM, 256QAM and 1024QAM OFDMA 	<ul style="list-style-type: none"> OFDM: BPSK@6/9 Mbps, QPSK@12/18 Mbps, 16-QAM@24 Mbps, 64-QAM@48/54 Mbps DSSS: DBPSK@1 Mbps, DQPSK@2 Mbps, and CCK@5.5/11 Mbps MIMO-OFDM: BPSK, QPSK, 16QAM, 64QAM, 256QAM and 1024QAM
Receive Sensitivity	<ul style="list-style-type: none"> 11a: -91dBm (1 Mbps), -90dBm (5 Mbps), -87dBm (11 Mbps) 11b/g: -89dBm (6 Mbps), -82dBm (24 Mbps), -78dBm (36 Mbps), -72dBm (54 Mbps) 11n: -85dBm@MCS0, -67dBm@MCS7, -67dBm@MCS7 11ac: VHT20: -85dBm (MCS0), -62dBm (MCS8) 11ac: VHT40: -82dBm (MCS0), -57dBm (MCS9) 11ac: VHT80: -79dBm (MCS0), -53dBm (MCS9) 11ax: HE80: -79dBm (MCS0), -53dBm (MCS9), -52dBm (MCS11) 	<ul style="list-style-type: none"> 802.11b: -91 dBm (1 Mbps), -90 dBm (5 Mbps), -87 dBm (11 Mbps) 802.11a/g: -89 dBm (6 Mbps), -82 dBm (24 Mbps), -78 dBm (36 Mbps), -72 dBm (54 Mbps) 802.11n: -85 dBm@MCS0, -67 dBm@MCS7 802.11ac: VHT20: -85 dBm (MCS0), -62 dBm (MCS8) 802.11ac: VHT40: -82 dBm (MCS0), -57 dBm (MCS9) 802.11ac: VHT80: -79 dBm (MCS0), -53 dBm (MCS9) 802.11ax: HE80: -79 dBm (MCS0), -53 dBm (MCS9), -52 dBm (MCS11) 802.11ax: HE160: -79 dBm (MCS0), -53 dBm (MCS9), -50 dBm (MCS11) 	<ul style="list-style-type: none"> 11b: -96 dBm (1 Mbps), -93dBm (5 Mbps), -89 dBm (11 Mbps) 11a/g: -91 dBm (6 Mbps), -85 dBm (24 Mbps), -80 dBm (36 Mbps), -74 dBm (54 Mbps) 11n: -90 dBm@MCS0, -70 dBm@MCS7, -89 dBm @MCS8, -68 dBm@MCS15 11ac: HT20: -88 dBm (MCS0), -63 dBm (MCS9) 11ac: HT40: -85 dBm (MCS0), -60 dBm (MCS9) 11ac: HT80: -82 dBm (MCS0), -57 dBm (MCS9) 11ax: HE80: -82 dBm (MCS0), -57 dBm (MCS9), -52 dBm (MCS11) 11ax: 160 MHz: -77 dBm (MCS0), -50 dBm(MCS11) 	<ul style="list-style-type: none"> 11b: -96 dBm (1 Mbps), -93 dBm (5 Mbps), -89 dBm (11 Mbps) 11a/g: -91 dBm (6 Mbps), -85 dBm (24 Mbps), -80 dBm (36 Mbps), -74 dBm (54 Mbps) 11n: -90 dBm@MCS0, -70 dBm@MCS7, -89 dBm@MCS8, -68 dBm@MCS15 11ac: HT20: -88 dBm (MCS0), -63 dBm (MCS9) 11ac: HT40: -85 dBm (MCS0), -60 dBm (MCS9) 11ac: HT80: -82 dBm (MCS0), -57 dBm (MCS9) 11ax: HE80: -82 dBm (MCS0), -57 dBm (MCS9), -52 dBm (MCS11) 	<ul style="list-style-type: none"> 11b: -91dBm(1 Mbps), -88dBm(5 Mbps), -85dBm(11 Mbps) 11a/g: -89dBm (6 Mbps), -80dBm (24 Mbps), -76dBm (36 Mbps), -71dBm (54 Mbps) 11n: -83dBm@MCS0, -65dBm@MCS7, -83dBm@MCS8, -65dBm@MCS15 11ac HT20: -83dBm (MCS0), -57dBm (MCS9) 11ac HT40: -79dBm (MCS0), -57dBm (MCS9) 11ac HT80: -76dBm (MCS0), -51dBm (MCS9) 11ax HE80: -76dBm (MCS0), -49dBm (MCS11)

	AP 6WA Wall Plate	AP 6WB Wall Plate PoE Out	AP 6SA Indoor Standard	AP 6NA Indoor High-Density	AP 6RA Outdoor
Antenna	Built-in low-radiation omnidirectional antenna • Antenna gain: 3.5dBi	Built-in smart antenna • Antenna gain: 3dBi	Built-in smart antenna • Antenna gain: 3dBi	Built-in smart antenna • Antenna gain: 3dBi	Built-in directional antenna • Loba Orientation: 60 degrees total • Antenna gain: 9dBi
Transmit Power	≤100mw(20dBm) (Country-specific) • 1dBm Adjustable Power	≤100mw(20dBm) (Country-specific) • 1dBm Adjustable Power	≤100mw(20dBm) (Country-specific) • 1dBm Adjustable Power	≤100mw(20dBm) (Country-specific) • 1dBm Adjustable Power	28dBm (Country-specific) • 1dBm Adjustable Power
Other	Bluetooth 5.0, iBeacon	Bluetooth 5.1, iBeacon	Bluetooth 5.1, iBeacon	Bluetooth 5.0, iBeacon	Bluetooth 5.0, iBeacon
Interfaces	<ul style="list-style-type: none"> 1 x 10/100/1000BASE-T Ethernet uplink port (PoE/PoE+) 4 x 10/100/1000BASE-T Ethernet LAN ports Console port (micro USB) Reset switch LED 	<ul style="list-style-type: none"> 1 x 100/1000/2500BASE-T Ethernet uplink port (PoE/PoE+) 4 x 10/100/1000BASE-T Ethernet LAN ports (inc. 1 PoE Out port – requires 802.3at) Console port (micro USB) Reset Switch LED 	<ul style="list-style-type: none"> 1 x 10/100/1000BASE-T Ethernet uplink port (PoE/PoE+) 1 x 2.5Gbps SFP port 1 x console port (RJ45) Reset Switch LED 	<ul style="list-style-type: none"> 1 x 10/100/1000BASE-T Ethernet uplink port (PoE/PoE+) 1 x 10/100/1000BASE-T Ethernet port 1 x 10/100/1000BASE-T Ethernet port (reserved for future powered IoT modules) 1 x USB 2.0 Type-A port Console port (RJ45) Reset switch LED 	<ul style="list-style-type: none"> 1 x 10/100/1000BASE-T Ethernet uplink port (PoE/PoE+) 1 x 1Gbps SFP port Console port (RJ45) Reset switch LED
Hardware					
Power Supply	<ul style="list-style-type: none"> PoE/PoE+ IEEE 802.3af/802.3at DC 12V, 1.0A (optional adapter) 	<ul style="list-style-type: none"> PoE/PoE+ IEEE 802.3af/802.3at DC 48V, 0.6A (optional adapter) 	<ul style="list-style-type: none"> PoE/PoE+ IEEE 802.3af/802.3at DC 48V, 0.6A (optional adapter) 	<ul style="list-style-type: none"> PoE/PoE+ IEEE 802.3af/802.3at DC 48V, 0.6A (optional adapter) 	<ul style="list-style-type: none"> PoE/PoE+ IEEE 802.3af/802.3at DC 44-57V, lowest 0.35A (optional adapter)
Power Consumption	<10W	<25W	<12.95W	<25.5W	<12.95W
IP Rating	IP41	IP41	IP41	IP41	IP68 • Surge protection: common mode +/-9kV • Explosion Proof
Mounting	Indoor, structured cabling outlets in individual rooms • Optional universal mounting kit available for some countries	Indoor, structured cabling outlets in individual rooms • Universal mounting kit included • Built-in anti-theft lock	Indoor, wall or ceiling • Built-in anti-theft lock • Kensington lock	Indoor, wall or ceiling • Built-in anti-theft lock • Kensington lock	Outdoor, pole or Wall
Dimensions	116mm x 86mm x 40mm 3.38 in. x 4.57 in. x 1.57 in.	170 mm × 86 mm × 52 mm 6.69 in. x 3.38 in. x 2.05 in. (including mounting bracket)	220 mm x 220 mm x 49 mm 8.66 in. x 8.66 in. x 1.93 in.	220mm x 220mm x 48.85mm 8.7 in. x 8.7 in. x 1.9 in.	251mm × 168mm × 64mm 9.88 in. x 6.61 in. x 2.52 in. (excluding mounting bracket)
Weight	0.37 Kg 0.82 lbs	0.3 Kg, 0.66 lbs (excluding bracket) 0.4 Kg, 0.88 lbs (including bracket)	≤0.6 Kg, 1.32 lbs (excluding bracket) ≤0.8 Kg, 1.76 lbs (including bracket)	≤1.3 Kg, 2.87 lbs (excluding bracket) ≤1.5 Kg, 3.31 lbs (including bracket)	<1.5 Kg 3.3 lbs
Operating Temperature	0°C~45°C, 14°F~113°F	0°C~40°C, 32°F~104°F	-10°C~50°C, 14°F~122°F	-10°C~50°C, 14°F~122°F	-40~65°C, -40°F~149°F
Storage Temperature	-40°C~70°C, -40°F~158°F	-40°C~70°C, -40°F~158°F	-40°C~70°C, -40°F~158°F	-40°C~70°C, -40°F~158°F	-40~65°C, -40°F~185°F
Operating Humidity	5%~95% RH (non-condensing)	5%~95% RH (non-condensing)	5%~95% RH (non-condensing)	5%~95% RH (non-condensing)	0%~100% RH (non-condensing)
Storage Humidity	5%~95% RH (non-condensing)	5%~95% RH (non-condensing)	5%~95% RH (non-condensing)	5%~95% RH (non-condensing)	0%~100% RH (non-condensing)
MTBF	250,000 hours	250,000 hours	250,000 hours	200,000 hours	250,000 hours

Software	AP 6WA Wall Plate	AP 6WB Wall Plate PoE Out	AP 6SA Indoor Standard	AP 6NA Indoor High-Density	AP 6RA Outdoor
Maximum Clients per AP	1024	512	1024	1536	1024
BSSID Capacity	8 8 Virtual APs	16 16 Virtual APs	32 32 Virtual APs	32 48 Virtual APs	32 32 Virtual APs
SSID Parameters	SSID hiding, SSID individual configuration (authentication, encryption, VLAN attributes)				
Traffic Management	Intelligent routing, intelligent load balancing, intelligent device recognition, STA control (SSID/radio-based), bandwidth control (STA/SSID/AP-based speed control)				
Security	Data frame filtering (whitelist, static/dynamic blacklist), user isolation, rogue AP detection and countermeasure, dynamic ACL assignment, RADIUS, CPU Protection Policy (CPP), Network Foundation Protection Policy (NFPP), Wireless Intrusion Detection System (WIDS), Radius Security (RadSec)				
Data Encryption	WPA (TKIP), WPA2 (AES), WPA-PSK, WEP (64/128-bit), WPA3 (up to 128bit)				
Authentication	PSK, GSK, PPSK, Web, PEAP, 802.1x, and Passpoint (Hotspot 2.0)				
Routing	IPv4/IPv6 (static IP address or DHCP), Multicast, IGMP Snooping				
Management	Controller, Telnet, SSH, TFTP, Web, SNMP (SNMPV1,V2c,V3), Syslog, Debug, FAT/FIT/MACC mode switching, APIs				
Certifications					
Safety Standards	GB4943-2011, IEC60950-1, IEC60825-1		GB 4943.1-2011, IEC 62368-1		GB4943, EN/IEC 60950-1
EMC Standards	EN301 489, EN55032, EN55035		EN 300386, GB 19286-2003, GB 17618-1998		GB9254, EN301 489
Health Standards			EN 62311		