



	AP 6WA Wall Plate	AP 6NA Indoor	AP 6RA Outdoor
Wi-Fi	IEEE 802.11ax - Wi-Fi 6 Concurrent 802.11ax and 802.11a/b/g/n/ac		
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 	Tri-radio, dual-band: <ul style="list-style-type: none"> 2.4GHz 11ax: 4*4 MIMO 5GHz 11ac: 2*2 MIMO 5GHz 11ax: 4*4 MIMO 	Dual-radio, dual-band: <ul style="list-style-type: none"> 2.4GHz 11ax / 5GHz 11ax: 2x2 MIMO 5GHz 11ax: 2x2 MIMO
Operating Bands	<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 <p>May vary by country</p>	<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	10 streams, MU-MIMO	4 streams, MU-MIMO
Max Troughput	Up to 1.775Gbps <ul style="list-style-type: none"> 2.4GHz: 574Mbps 5GHz: 1.2Gbps 	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 	<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 and 256QAM 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"> 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)
Antenna	Built-in low-radiation omnidirectional antenna <ul style="list-style-type: none"> Antenna gain: 3.5dBi 	Built-in smart antenna	Built-in directional antenna <ul style="list-style-type: none"> Loba Orientation: 60 degrees total Antenna gain: 9dBi
Transmit Power	≤100mw(20dBm) (Country-specific) <ul style="list-style-type: none"> 1dBm Adjustable Power 	≤100mw(20dBm) (Country-specific) <ul style="list-style-type: none"> 1dBm Adjustable Power 	28dBm (Country-specific) <ul style="list-style-type: none"> 1dBm Adjustable Power
Other	Bluetooth 5.0, iBeacon		

Hardware	AP 6WA Wall Plate	AP 6NA Indoor	AP 6RA Outdoor
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 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
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 44-57V, lowest 0.35A (optional adapter)
Power Consumption	<10W	<25.5W	<12.95W
IP Rating	IP41	IP41	IP68 <ul style="list-style-type: none"> Surge protection: common mode +/-9kV Explosion Proof
Mounting	Indoor, structured cabling outlets in individual rooms <ul style="list-style-type: none"> Optional universal mounting kit available for some countries 	Indoor, wall or ceiling <ul style="list-style-type: none"> Built-in anti-theft lock 	Outdoor, pole or Wall
Dimensions	116mm x 86mm x 40mm	220mm x 220mm x 48.85mm	251mm x 168mm x 64mm (excluding mounting bracket)
Weight	0.37Kg	≤1.3Kg (excluding bracket), ≤1.5Kg (including bracket)	<1.5 Kg
Operating Temperature	0°C~45°C	-10°C~50°C	-40~65°C
Storage Temperature	-40°C~70°C	-40°C~70°C	-40~65°C
Operating Humidity	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)	0%~100% RH (non-condensing)
MTBF	250,000 hours	200,000 hours	250,000 hours
Software			
Maximum Clients per AP	1024	1536	1024
BSSID Capacity	8 8 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)		
Data Encryption	WPA (TKIP), WPA2 (AES), WPA-PSK, WEP (64/128-bit), WPA3 (up to 128bit)		
Authentication	PPSK, PSK, Web, PEAP and 802.1x		
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/MAC mode switching		
Certifications			
Safety Standards	GB4943-2011, IEC60950-1, IEC60825-1		GB4943, EN/IEC 60950-1
EMC Standards	EN301 489, EN55032, EN55035		GB9254, EN301 489
Health Standards		EN 62311	