



Model	WI-AP520AX-D
Hardware Version	V1
Hardware Features	
Memory	1GB RAM, 128MB Flash
Interface	1× 2.5Gbps SFP Slot 1*10/100/1000Mbps RJ45 PoE+ Input Port 1*Reset Button (long press for 8 seconds to restore the factory default configuration)
Power Supply	802.3at PoE IN
Power Consumption (max)	25.5W
Wireless Features	
Standards	IEEE 802.11a/b/g/n/ac/ax
Max/ Recommended Clients	500/ 130
Data Rates	2.4GHz: up to 574Mbps 5GHz: up to 4804Mbps
MIMO	2.4GHz: 2x2 MU-MIMO 5GHz: 4x4 MU-MIMO
Antenna Gain	2.4GHz: 8dBi 5GHz: 12dBi
Antenna Beamwidth	Horizontal: 65° Vertical: 45°
Frequency	2.4GHz: 2.4GHz-2.484GHz 5GHz: 5.150GHz-5.850GHz *Please follow national regulations to select the appropriate frequency.
Channel Width	2.4GHz: 20/40MHz 5GHz: 20/40/80/160MHz
Max. TX power	≤23 dBm(2.4GHz) ≤22 dBm(5GHz)
Coverage Range	2.4GHz max/ recommended: 300m/150m
	5GHz max/ recommended: 150m/80m
	Note: Data is acquired in an unobstructed ideal environment. Signal coverage radius depends on client performance and environmental interference.
Software Features	
Wireless Mode	Fit AP/Repeater/Wireless Router/WISP Mode (Default: Fit AP mode)
Network	LAN: Static IP, Dynamic IP WAN: Static IP, Dynamic IP, PPPoE Client
Wireless	Wireless Disable or Enable Modify default SSID SSID Hiding
Wireless Security	WPA-TKIP , WPA2-AES, WPA1/WPA2-Mixed, WPA2/WPA3-Mixed, WPA/WPA2-Enterprise
VLAN	Supports IEEE 802.1Q VLAN Supports SSID-to-VLAN mapping
Wi-Fi Schedule	Yes
RF Parameter	Adjustable Country Auto Channel Width Selection Automatic Frequency Selection Adjustable Transmission Power Max Associated STA Weak Signal Rejection Threshold User Isolation Supports Wi-Fi Multimedia (WMM)
Advanced	Multiple SSID (Up to 8 per radio) Ping Watchdog Scheduled Reboot DHCP Server NTP Server Diagnosis: PING, TRACERT
Status Monitoring	Base Info: LAN/WAN Info, Wireless Info, System Info Radio Status Real Time Flow Chart Wireless Terminal Station SSID List DHCP Client ARP Table Routing Table
Management	Quickly scan devices by discovery tools Web-based management by locally Support remote management by cloud platforms and applications Support AC management
Reliability	Ingress Protection: IP67 Lighting Protection: 6kV ESD Protection: Contact discharge ±18KV Air discharge ±18KV
Environment	Operating Temperature: -40°C-70°C (-40°F-158°F) Storage Temperature: -40°C-70°C (-40°F-158°F) Operating Humidity: 10%~95% (non-condensing) Storage Humidity: 5%~95% (non-condensing)
Others	
Certification	CE, FCC, ROHS, UKCA, RCM
Product Dimension (excluding mounting kits)	308*320*69mm
Mounting Kit Dimension	229*170*170mm
Weight (excluding mounting kits)	3.19kg