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Dual band AX1800 WIFI 6 wireless access point W618AP

Product   Brochure

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Product Introduction :

W618AP is a high-performance, high-speed indoor 11ax dual-band ceiling AP, providing a

maximum access rate of 574Mbps for 2.4G and 1201Mbps for 5G.

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Product Features :

- **It has better transmission quality, higher transmission rate, and the concurrent rate of the whole machine can reach up to 1800Mbps .**

- **Supports hardware watchdog function, automatic recovery of abnormal equipment , maintenance-free.**

- **Elegant appearance design, hidden port housing and beautiful wiring .**

- **Support 48V PoE , DC Two 12V power supply modes .**

Specifications :

Hardware specifications					
Product number	W618AP				
Flash	SPI NOR 16MB				
DDR3	256M				
2.4G operating frequency band	2.4GHz ~ 2.484GHz				
2.4G WIFI transmission protocol	802.11 b / g / n / ac / ax				
5G operating frequency band	5.150GHz ~ 5.850GHz				
5G WIFI transmission protocol	802.11 b/g n/ax				
Built-in antenna 2.4G	2 2.4G antennas, each gain: 4.6dBi				
Built-in antenna 5G	2 5.8G antennas, each gain: 4dBi				
5G WIFI transmission protocol	802.11 a / n / ac / ax				
Maximum rate	2.4G provides a maximum access rate of 574Mbps, and 5G provides a maximum access rate of 1201Mbps				
2.4G wireless power	802.11b	11M	17±2dBm	1M	18±2dBm
	802.11g	54M	16±2dBm	6M	17±2dBm
	802.11n HT20	MCS7	16±2dBm	MCS0	17±2dBm
	802.11n HT40	MCS7	15±2dBm	MCS0	16±2dBm
	802.11ax HT20	MCS11	15±2dBm	MCS0	16±2dBm
	802.11ax HT40	MCS11	15±2dBm	MCS0	16±2dBm

Specifications :

	802.11a	54M	16±2dBm	6M	17±2dBm
	802.11n HT20	MCS7	15±2dBm	MCS0	16±2dBm
	802.11n HT40	MCS7	15±2dBm	MCS0	16±2dBm
	802.11ac HT20	MCS7	15±2dBm	MCS0	16±2dBm
5G Wireless Power	802.11ac HT40	MCS7	15±2dBm	MCS0	16±2dBm
	802.11ac HT80	MCS9	14±2dBm	MCS0	15±2dBm
	802.11ax HT20	MCS11	15±2dBm	MCS0	16±2dBm
	802.11ax HT40	MCS11	15±2dBm	MCS0	16±2dBm
	802.11ax HT80	MCS11	14±2dBm	MCS0	15±2dBm
	802.11b	11M	-85dBm	1M	-92dBm
	802.11g	54M	-72dBm	6M	-90dBm
2.4G receiving sensitivity	802.11n HT20	MCS7	-70dBm	MCS0	-88dBm
	802.11n HT40	MCS7	-68dBm	MCS0	-86dBm
	802.11ax HT20	MCS11	-60dBm	MCS0	-85dBm
	802.11ax HT40	MCS11	-56dBm	MCS0	-85dBm
	802.11a	54M	-72dBm	6M	-92dBm
	802.11n HT20	MCS7	-70dBm	MCS0	-90dBm
	802.11n HT40	MCS7	-68dBm	MCS0	-88dBm
	802.11ac HT20	MCS7	-70dBm	MCS0	-90dBm
5G reception sensitivity	802.11ac HT40	MCS7	-68dBm	MCS0	-88dBm
	802.11ac HT80	MCS9	-58dBm	MCS0	-85dBm
	802.11ax HT20	MCS11	-62dBm	MCS0	-88dBm
	802.11ax HT40	MCS11	-58dBm	MCS0	-86dBm
	802.11ax HT80	MCS11	-55dBm	MCS0	-84dBm

Specifications :

2.4G EVM	802.11b:≤-10dB；802.11g:≤-25dB；802.11n:≤-28dB ; 802.11ax: ≤-35dB
5G EVM	802.11a:≤-25 dB; 802.11n:≤-28 dB; 802.11ac:≤-32 dB; 802.11ax:≤-35 dB
Frequency deviation (ppm)	±20ppm
Interface (WAN)	1 10/100/1000M adaptive WAN port, support 48V POE power supply
Interface (LAN)	1 10/100/1000M adaptive LAN port
External buttons	Reset button (press and hold for 6-10 seconds to restore to factory default settings)
Status Indicator	Three-color light (three different colors represent: sys-red, 2.4G-green, 5.8G-blue)
powered by	DC2.0 12V1.5 A , PoE 802.3a f
Maximum power consumption	< 15W
Product size	1 86 mm × 186 mm × 36 mm
weight	0.4 kg
working environment	Normal operating temperature: -10°C to 45°C; Storage temperature: -40°C to 70°C; Humidity: 5% to 95% (no condensation)
ESD	Air discharge +/- 8 K, contact discharge +/- 4K
surge	Common mode 2K, differential mode 1K

Software Features :

front page	Working mode: Fat AP mode and Thin AP mode
	Wireless AP download rate, wireless AP upload rate, running time
	Device information, device description, intranet information, WIFI information
Support Mode	Gateway mode: The device is connected to the WAN through the WAN port and then uses static IP, DHCP or PPPOE to access the Internet
	AP mode: The device covers other clients and devices with wireless network signals, and uses Ethernet to connect to other routers to access the WAN.
wireless function	SSID Broadcast
	Number of SSIDs: 4 (2.4GHz) + 4 (5GHz), support Chinese SSID
	Hide SSID function
	Wireless encryption: OPEN , WPA/WPA2PSK-TKIPAES, WPA3PSK-TKIPAES
	Wireless MAC address filtering: support whitelist
	Spectrum navigation (5G first)
	WiFi timer off function
	User isolation: isolation between wireless networks and isolation within APs
	Transmit power setting
	Wireless client number limit
	QoS: WMM

Software Features :

Internet function	Connection method: static address, obtained from the management server, obtained from the gateway
	DHCP server: It can be a built-in DHCP server or an external DHCP server
	Cloud Platform Server
	Firewall function
	PPPOE function: Support PPPOE dial-up function
Device Management	Backing up configuration information
	Restore configuration information
	reset
	Restart includes scheduled restart and immediate restart
	Firmware Upgrade
	Time management includes system display time and time synchronization
	System log
	Fat and thin AP switching function