



**AIR
BRIDGE
5**

11AC 450Mbps 5G High Power Outdoor AP- CPE

- High Power and High Gain Antenna for morerange
- Power over Ethernet
- Access Controller System & Cloud Management System
- Comply with IEEE 802.11ac/a/n, 5G,450Mbps Data Rate
- 1 10/100Mbps WAN Port , 1 10/100Mbps LAN Port
- Support passive PoE
- Support SSID broadcasting, Multi SSID up to 4



OVERVIEW

Air Bridge5 is an high power industrial 5G outdoor CPE with the next generation 802.11ac Wi-Fi standard, combined 450Mbps high speed in 5G, it make more than 50 end users can access into it to enjoy seamless HD movies, streaming, online gaming, wireless security and other bandwidth-intensive tasks.

KEY FEATURES

- Comply with IEEE 802.11ac/a/n, 5G,450Mbps Data Rate
- 1 10/100Mbps WAN Port, 1 10/100Mbps LAN Port
- 800mW high power, build in 10dBi MIMO panel antenna, stronger signal strength, more wireless coverage
- Support passive PoE
- Support SSID broadcasting, Multi SSID up to 4
- Support Gateway (PPPOE, static IP, dynamic IP) , Wireless AP, Repeater, WISP operation mode
- With function of build in firewall, IP filter, URL filter and MAC filter
- Comply with IEEE 802.3az standard, beam forming technology, RF power adjustment and frequency analyzer for better application in different environment
- Support DDNS, VPN pass through, Port forwarding and DMZ host
- Support 64/128-bit WEP security, 128bit WPA (TKIP/AES) security

TECHNICAL SPECIFICATIONS

Hardware:	
Chipset	RTL8881AN
Standard	802.11ac/a/n
Memory	64MB DDR2 RAM
Flash	8MB
Interface	1 * 10/100Mbps RJ45 WAN Port 1 * 10/100 Mbps RJ45 LAN Port 1 * Reset button, press 15 seconds to revert to default setting
Antenna	Build in 10dBi MIMO Panel Antenna
Power consumption	24V PoE<17W
Size	L 233mm, W: 77mm, H: 35 mm

RF Data :	
Frequency	5GHz : 802.11a/n/ac 5GHz
Country code	FCC, IC, ETSI, MKK, MKK1, MKK2, MKK3, NCC, RUSSIAN, CN
Modulation	OFDM = BPSK, QPSK, 16-QAM, 64-QAM DSSS = DBPSK, DQPSK, CCK
Throughput	450 Mbps

TECHNICAL SPECIFICATIONS

Receive Sensitivity & RF Power:							
Frequency	Mode	Data Rate	Standard	Result (dBm)			RF Power (±1.0dBm)
				CH1	CH6	CH11	
				CH36	CH100	CH149	
	11a	6Mbps	≥ -30dBm	1	1	1	27dBm
		54Mbps	≥ -30dBm	-7	-6	-9	24dBm
	11n	MCS0/8	≥ -30dBm	1	1	1	27dBm
	HT20	MCS7/15	≥ -30dBm	-6	-5	-10	24dBm
				CH38	CH100	CH149	
	11n	MCS0/8	≥ -30dBm	1	1	1	26dBm
	HT40	MCS7/15	≥ -30dBm	-5	-6	-9	23dBm
				CH36	CH100	CH149	
	11ac	MCS0	≤ -82	-92	-92	-92	26dBm
	HT20	MCS8	≤ -60	-70	-70	-69	23dBm
				CH38	CH110	CH151	
	11ac	MCS0	≤ -79	-90	-89	-89	25dBm
	HT40	MCS9	≤ -60	-66	-65	-65	22dBm
				CH42	CH106	CH155	
	11ac	MCS0	≤ -79	-87	-87	-87	24dBm
	HT80	MCS9	≤ -54	-62	-61	-61	21dBm

TECHNICAL SPECIFICATIONS

Firmware Features:	
Operation mode	Wireless AP, Gateway, WISP, Wi-Fi Repeater
WAN Type	Dynamic IP/Static IP/PPPoE/L2TP (Dual Access) /PPTP (Dual Access)
Wireless Security	64/128-bit WEP, WPA / WPA2, WPA-PSK/ WPA2-PSK encryption
SSID	Multiple SSID up to 4
Firewall	DoS, SPI Firewall, IP Address Filter/MAC Address Filter/Domain Filter IP and MAC Address Binding
Protocols	IPv4

TECHNICAL SPECIFICATIONS

Others:	
Package Contents	450Mbps Outdoor CPE Ethernet Cable Quick Installation Guide Setting Accessory
System Requirements	Microsoft Windows 98SE, NT, 2000, XP, Vista™ or Windows 7, Windows 8, MAC OS, NetWare, UNIX or Linux
Environment	Operating Temperature: 0~40 °C(32 °F~104°F) Storage Temperature: -40~70 °C (-40 °F~158°F) Operating Humidity: 10%~90% non-condensing; Storage Humidity: 5%~90% non-condensing
Management	Firmware GUI, Remote Management, WLAN Controller, Cloud Management System



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