Air Pro ®

11ac Wave2 900Mbps 5G High Power Outdoor PTP/PTM

QUICK OVERVIEW

AIR SETU is an 11ac Wave2.0 standard high power industrial 5.8G outdoor CPE. It complies with the next generation 802.11ac Wi-Fi standard, MU-MIMO, Qualcomm Chipset, combined 867Mbps high speed in 5.8G, equipped Gigabit RJ45 port and PoE support, it can be applied in all over the world for long range PTP/PTM.

High Power, More Range:-
AIR SETU RF power up to 26dBm, equipped with 14dBi MIMO panel antenna, the point-to-point and multi point wireless range up to 5KM distance.

900Mbps Data Rate & Gigabit WAN/LAN Ports:-
AIR SETU features 802.11ac Wi-Fi and 2*2 MIMO technology, 900Mbps wireless speed. Equipped with Gigabit Ethernet port ensures high-speed Internet access and more end user's access.

5GHz Frequency, More Channels, Lower Latency, Higher Stability:-
AIR SETU with 5GHz frequency range, avoid the same frequency interference problem, full meet with data transmission in fast speed, low delay, high stability requirement in wireless security or data transmission.

Power over Ethernet:-
AIR SETU has integrated active 48V Power over Ethernet (PoE), for easy installation and lower cost. So, it can be installed in areas where power outlets are not readily available, eliminating the mess of altering existing network infrastructure.

TECHNICAL SPECIFICATIONS

HARDWARE FEATURES	
Chipset	Qualcomm QCA9563+QCA9886+QCA8334
Standard	802.11ac/a/n, MU-MIMO technology
Memory	128MB DDR2 RAM
Flash	16MB
Interface	1 * 10/100/1000Mbps RJ45 LAN Port 1 * Reset button 1 * DC button 1 * AP/Repeater operation mode switch
Antenna	Build in 14dBi MIMO Panel Antenna (dual polarization H-V) Antenna angle: H-60 Degree, E 30 degree
Power Consumption	48V PoE
Receiver Gain	-90 dBm
RF Data	
Frequency	5GHz: 802.11a/ac 5GHz: 4920~5920MHz
Throughput	900Mbps
Modulation	OFDM - BPSK.QPSK.16QAM.64QAM
Receive Sensitivity& RF Power	
RF Power	802.11ac 20MHz BW, MCS0 maximum Tx Power of 24dBm +- 2dBm per chain 802.11ac 20MHz BW, MCS7 maximum Tx Power of 20dBm +- 2dBm per chain 802.11ac 20MHz BW, MCS9 maximum Tx Power of 19dBm +- 2dBm per chain 802.11ac 40MHz BW, MCS0 maximum Tx Power of 24dBm +- 2dBm per chain 802.11ac 40MHz BW, MCS7 maximum Tx Power of 20dBm +- 2dBm per chain 802.11ac 80MHz BW, MCS9 maximum Tx Power of 19dBm +- 2dBm per chain 802.11ac 80MHz BW, MCS0 maximum Tx Power of 24dBm +- 2dBm per chain 802.11ac 80MHz BW, MCS7 maximum Tx Power of 20dBm +- 2dBm per chain 802.11ac 40MHz BW, MCS9 maximum Tx Power of 19dBm +- 2dBm per chain
Receive Sensitivity	802.11ac Rx Sensitivity 20MHz BW, MCS9 -62dBm, MCS7 -67 dBm, MCS0 -89 dBm 802.11ac Rx Sensitivity 40MHz BW, MCS9 -61dBm, MCS7 -66 dBm, MCS0 -88 dBm 802.11ac Rx Sensitivity 80MHz BW, MCS9 -60dBm, MCS7 -65 dBm, MCS0 -87 dBm
EVM	802.11a: ≤-25dB; 802.11n: ≤-28 dB; 802.11ac: ≤-32 dB
PPM	±20ppm
RF Power	500mW
Others	
Waterproof Level	Ip66
Package Contents	900Mbps outdoor PTP/PTM LAN cable Install Accessory
Environment	Operating Temperature: 0~70°C Storage Temperature: -40~70°C Humidity: 5%~95% Non-condensing;
Web Access	Windows, Linux and Mac OS

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