AIR DHRUV-5

11ac 900Mbps 5G High Power Outdoor CPE

- Comply with IEEE 802.11ac/a/n, 5G,900Mbps Data Rate.
- 1*10/100/1000Mbps WAN Port，1*10/100/1000Mbps LAN Port.
- 500mW high power, build in 18dBi MIMO panel antenna, stronger signal strength, more wireless coverage.
- Support passive PoE, 24V.
- Support SSID broadcasting, Muiti SSID up to 4, then support tag VLAN based on SSID.
- Support Gateway (PPPOE, static IP, dynamic IP), Wireless AP, Repeater, WISP, WDS operation mode.
- With function of build in firewall, IP filter, URL filter and MAC filter.
- Comply with IEEE 802.3az standard, RF power adjustment and frequency analyzer for better application in different environment.
- Support DDNS, VPN pass through, Port forwarding and DMZ host.
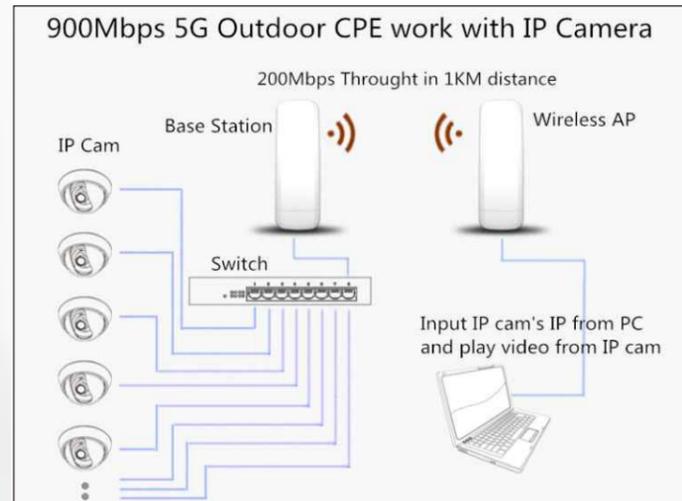- Support 64/128-bit WEP security, 128bit WPA (TKIP/AES) security.

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DATASHEET

Model No. Air Dhruv-5   11ac 900Mbps 5G High Power Outdoor CPE   Model No. Air Dhruv-5   11ac 900Mbps 5G High Power Outdoor CPE

DATASHEET

OVERVIEW

Air Dhruv-5 is an high power industrial 5G outdoor CPE with the next generation 802.11ac Wi-Fi standard, Qualcomm Chipset, combined 900Mbps high speed in 5G, equipped Gigabit WAN port, 3 times Ethernet data rate faster than Air Dhruv-5 it make more than 60 end users access into it and enjoy seamless HD movies, streaming, online gaming, wireless security and other bandwidth-intensive tasks.

900Mbps Data Rate & Gigabit WAN/LAN Ports

Air Dhruv-5 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 users access.

900Mbps 5G Outdoor CPE work with IP Camera

200Mbps Throught in 1KM distance

IP Cam   Base Station   Wireless AP

Switch

Input IP cam's IP from PC and play video from IP cam

10KM PTP/PTMP Distance

Designed in two line Power Amplifier on PCB board, the power can be 500mW high power, 18dBi MIMO high gain panel antenna, greatly increase the wifi range to 10KM distance, then supply the stable wifi signal for users.

Power over Ethernet

Air Dhruv-5 has integrated passive 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.

Multiple operation mode, Press WDS Switch button to do PTP/PTMP Connection

Air Dhruv-5 support Gateway, WISP, Wireless AP, WiFi Repeater, WDS operation mode, it is widely used in WiFi Bridge Connection, WISP Connection and Wireless Security; CPE890SR with WDS Switch button, press it to do the PTP/PTMP connection, very easy, no need to access into GUI.

Access Controller System & Cloud Management System

With Access Control System under AP/WDS operation mode, easily access advanced network settings through PC, like AP status monitor, change IP address, ESSID, Channel, Password, upgrade firmware, backup and restore....

Then work with Cloud Management System, easy to do central and remote management, advertisement and multi authentication make this AP more professional in WiFi Projects.

TECHNICAL SPECIFICATIONS

Hardware:	
Chipset	Qualcomm QCA9563
Standard	802.11ac/a/n, MIMO technology
Memory	128MB DDR2 RAM
Flash	16MB
Interface	1 * 10/100/1000Mbps RJ45 WAN Port
	1 * 10/100/1000Mbps RJ45 LAN Port
	1 * WDS switch button, press it to do WDS PTP/PTMP connection
	1 * Reset button, press 15 seconds to revert to default setting
Antenna	Build in 18dBi MIMO Panel Antenna
Power consumption	24V PoE <8W
Size	315mm * 145 mm * 80 mm

RF Data :	
Frequency	5GHz: 802.11a/ac
	5GHz: 5180~5825MHz
Throughput	900 Mbps
Country code	FCC、IC、ETSI、MKK、MKK1、MKK2、MKK3、NCC、RUSSIAN、CN
Modulation	OFDM = BPSK,QPSK, 16-QAM, 64-QAM
	DSSS = DBPSK, DQPSK, CCK

Receive Sensitivity & RF Power	
RF Power	802.11a:54M 23±2DB,6M 26±2DB.
	802.11n HT20:MCS7 23±2DB, MCS0 26±2DB.
	802.11n HT40:MCS7 22±2DB, MCS0 25±2DB.
	802.11ac HT80:MCS9 20±2DB, MCS0 23±2DB.
Receive Sensitivity	802.11a: -72dbm@54Mbps; -90dbm@6Mbps.
	802.11n HT20: -70dbm@MCS7, -90dbm@MCS0 .
	802.11n HT40: -66dbm@MCS7, -90dbm@MCS0 .
	802.11ac HT80:-60dbm@MCS9, -86dbm@MCS0 .
EVM	802.11n: ≤-28 DB
	802.11a: ≤-25 DB

Firmware Features:	
Operation mode	Wireless AP, Gateway, WISP, Wi-Fi Repeater, WDS
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, 802.1x 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

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TECHNICAL SPECIFICATIONS

Others:	
Package Contents	900Mbps Dual Band wireless access point 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: -44~55 ℃ Storage Temperature: -40~70 ℃ 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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