

900Mbps 5.8G 20KM Outdoor CPE

Model: CPE2920



Product Introduction

CPE2920 is an outdoor 5.8GHz Gigabit monitoring transmission bridge designed for short and medium distance video convergence wireless transmission and broadband operation transmission scenarios such as tower cranes, orchards, aquaculture, factories, schools, communities, offices across streets . The device uses Qualcomm 9563CPU and Qualcomm 9882 wireless module ,Working in the 5.8GHz band, 11AC 2T2R technology can provide wireless data transmission rate of up to 867Mbps. Host is equipped with 29dBi high-gain dish antenna, outdoor point-to-point bridge distance up to 20 kilometers. Based on the pole design, can be directly installed on the rod or column items, beautiful and generous, Industrial grade advanced waterproof and dustproof plastic shell. 4000V port lightning protection design, can work in a variety of wind, rain, snow and other extreme outdoor environment.

Features

- © 5.8G 900M 20KM Wireless CPE for CCTV
- © 24V DC PoE 100m network cable power supply
- © Support AP, client side, wireless WAN working mode
- © 29dbi high gain dish antenna
- © IP67 level waterproof and dustproof
- © 5.8GHz 11AC 867Mbps
- © Gigabit wired port

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Specification

Model		CPE2920									
WLAN Standard		IEEE 802.11a/n/ac ipoll3									
Radio mode		MIMO 2x2									
Product size		Host: 216x102x59mm Antenna: 420x420x120mm									
Weight		Host: 0.46kg Antenna: 3.4kg									
Application scenarios		Tower crane, orchard, aquaculture, factory, school, community, Office cross-street video convergence wireless transmission and broadband operation transmission									
Operating Frequency Range		4800MHz-6500MHz									
Maximum access rate		867Mbps									
Wireless protocol standard		IEEE 802.11a/n/ac ipoll3									
Ethernet interface		1x10/100/1000Mbps Base-T RJ45 Port									
Reset button		1									
Antenna gain		29dBi high gain dish antenna									
Antenna Angle		Horizontal Angle 45 degrees, Vertical Angle 45 degrees									
Full load power consumption		7W									
Dustproof and waterproof level		IP67									
Power supply		24V passive POE									
Power supply distance		PoE power supply distance is 100 meters									
40MHz	Modulation, Mbps	400	360	300	270	240	180	120	90	60	30
	Tx power, dBm	28	29	29	30	30	30	30	30	30	30
	RX Sensitivity, dBm	-70	-72	-76	-78	-80	-84	-87	-92	-94	-95
80MHz	Modulation, Mbps	866	780	650	585	520	390	260	195	130	65
	Tx power, dBm	27	27	27	28	29	29	30	30	30	30
	RX Sensitivity, dBm	-64	-66	-70	-72	-74	-78	-81	-85	-88	-90
Modulation schemes		802.11 a/n: OFDM (64-QAM, 16-QAM, QPSK, BPSK)									
		802.11 ac: OFDM (256-QAM, 64-QAM, 16-QAM, QPSK, BPSK)									
Data rates		802.11 ac @ 40 MHz: 400, 360, 300, 270, 240, 180, 120, 90, 60, 30 Mbps									
		802.11 ac @ 80 MHz: 866, 780, 650, 585, 520, 390, 260, 195, 130, 65Mbps									
Radio frequency band		5 GHz : 5.150 – 5.850 GHz (FCC 5.150 – 5.250 和 5.725 – 5.850 GHz)									
Tx power		Up to 30dBm (country dependent)									
RX sensitivity		-95 ~ -75dBm (country dependent)									
Channel size		5,10, 20, 40 ,80MHz									
Error correction mode		FEC, LDPC									
Duplex Mode		TDD									
System monitoring		-40°C ~ +65°C									
Configuration		5 ~ 90% (non-condensing)									
System monitoring		SNMP, Syslog, Web UI, WNMS									

Configuration

WebUI, WNMS



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