

CIAP6300-T

300M Enterprise Ceiling-Mounted Wireless AP



- Support 1*100M LAN, 1*100M WAN, built-in 2.4G antenna
- Fat and fit in one, support seamless roaming and automatically selects channels
- Powerful radio frequency design, safe and stable, wide coverage
- Support DC 9~48V power input or WAN port PoE power receiving
- Support -40°C~65°C operating temperature

Product Introduction

CIAP6300-T adopts IEEE802.11n standard wireless access technology and advanced MIMO technology, Qualcomm QCA9531 chip, built-in high-gain antenna, speed up to 300M, with a capacity of less than 50 people, effective distance of more than 800m, and is compatible with IEEE802.11n (2.4G) protocol; PoE power supply technology, Support unified management by AC controller, can manage 300 APs at the same time, and is suitable for wireless coverage in enterprises, schools, hotels and other places. At the same time, the unique watchdog technology makes the AP work more stable and ensures the normal operation of the wireless network for a long time.

Product Features

- 11N high power, also support 2.4G coverage
- Support independent use and AC centralized management
- Support multiple SSIDs, support Chinese SSIDs
- Support multiple VLANs, SSID can be bound to VLAN
- Extremely large capacity, up to 50 users

Technical Specifications

Software	
Network Management	Configuration method: WEB System: Immortal WEB Uboot; Openwr, QXWLAN Capacity: up to 50 users
RF parameters	
CPU	Qualcomm-Atheros QCA9531
Wireless speed	300Mbps
Modulation	DSSS/CCK BPSK/QPSK OFDM BPSK/QPSK/16-QAM/64-QAM
DDR	64M
FLASH	16M
RF Interface	U.FL*2
Wireless Protocol	802.11g/n
Wireless Frequency	2.4G
Power	26dBm@2.4G
Frequency	2412MHz-2482MHz
Acceptance Sensitivity	Maximum -96dBm
Channel Bandwidth	20M/40MHz (adjustable)
Effective Distance	More than 800 meters
Interface	
Interface	2*10M/100M RJ45
Power Supply	
Power Input	DC 9~48V (DC round head); 48V standard PoE power supply (WAN port)
Average Power Consumption	5W

Physical Characteristics	
Dimensions	204×20(mm) (Φ×H)
Weight	About 0.3kg
Working Environment	
Operating Temp	-40℃~65℃
Storage Temp	-40℃~85℃
Relative Humidity	5%~95% (non-condensing)
Industry Standard	
Certification	CE, FC, RoHS

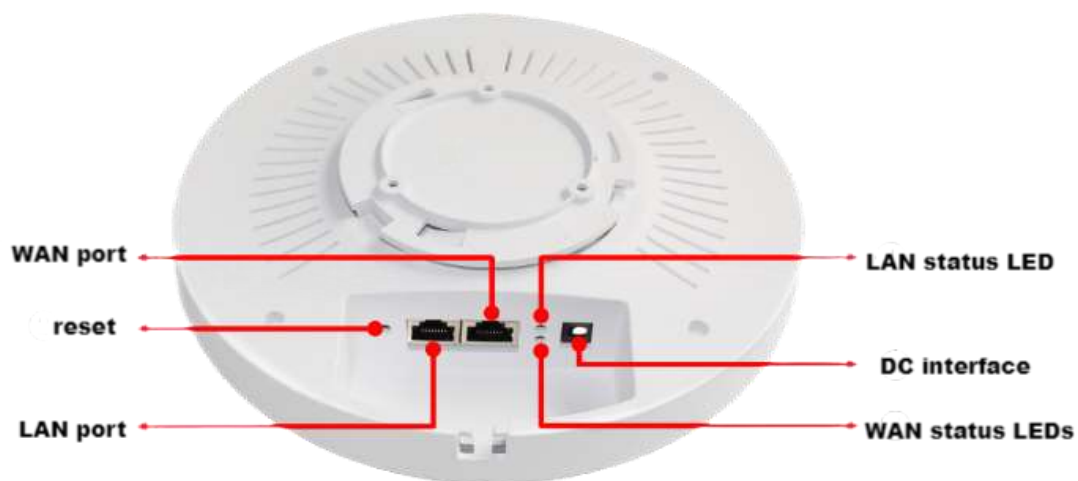
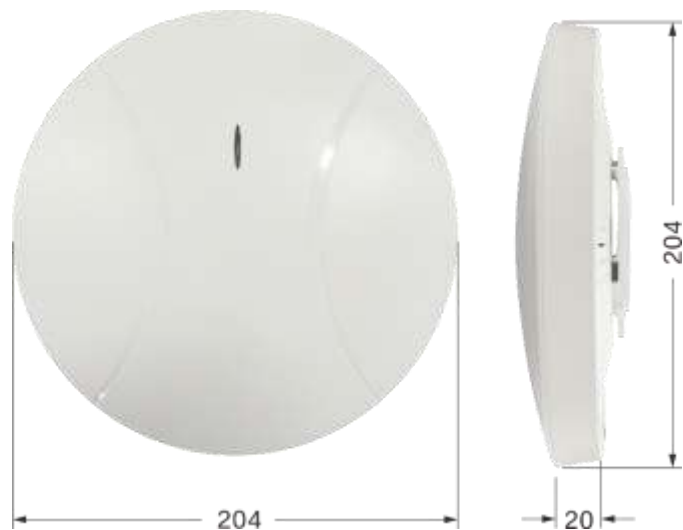
RF parameters

400mW ESD MIMO AP									
TX SPECIFICATIONS									
	DataRate	TX Power(per chain)			TX Power(2 chains)			Tolerance	
802.11G	6-24Mbps	23dBm			26dBm			±2dB	
	36Mbps	23dBm			26dBm			±2dB	
	48Mbps	22dBm			25dBm			±2dB	
	54Mbps	21dBm			24dBm			±2dB	
	DataRate	TX Power TX Power		Tolerance		DataRate	TX Power TX Power		Tolerance
		(1 chain)	(2 chains)				(1 chain)	(2 chains)	
2.4GHz 11n HT 20	MCS 0/8	23dBm	26dBm	±2dB	2.4GHz 11n HT 40	MCS 0/8	23dBm	26dBm	±2dB
	MCS 1/9	23dBm	26dBm	±2dB		MCS 1/9	23dBm	26dBm	±2dB
	MCS 2/10	23dBm	26dBm	±2dB		MCS 2/10	23dBm	26dBm	±2dB

	MCS 3/11	22dBm	25dBm	±2dB		MCS 3/11	22dBm	25dBm	±2dB
	MCS 4/12	22dBm	25dBm	±2dB		MCS 4/12	22dBm	25dBm	±2dB
	MCS 5/13	22dBm	25dBm	±2dB		MCS 5/13	22dBm	25dBm	±2dB
	MCS 6/14	22dBm	25dBm	±2dB		MCS 6/14	22dBm	25dBm	±2dB
	MCS 7/15	21dBm	24dBm	±2dB		MCS 7/15	21dBm	24dBm	±2dB
RX SPECIFICATIONS									
	DataRate	Sensitivity	Tolerance			DataRate	Sensitivity	Tolerance	
		(2 chains)					(2 chains)		
802.11G	6M	-96dBm	±2dB		802.11G	24M	-89dBm	±2dB	
	9M	-96dBm	±2dB			36M	-86dBm	±2dB	
	12M	-95dBm	±2dB			48M	-82dBm	±2dB	
	18M	-93dBm	±2dB			54M	-79dBm	±2dB	
2.4GHz 11n HT 20	MCS0	-95dBm	±2dB		2.4GHz 11n HT 40	MCS0	-92dBm	±2dB	
	MCS1	-93dBm	±2dB			MCS1	-90dBm	±2dB	
	MCS2	-90dBm	±2dB			MCS2	-87dBm	±2dB	
	MCS3	-89dBm	±2dB			MCS3	-84dBm	±2dB	
	MCS4	-85dBm	±2dB			MCS4	-81dBm	±2dB	
	MCS5	-81dBm	±2dB			MCS5	-77dBm	±2dB	
	MCS6	-79dBm	±2dB			MCS6	-76dBm	±2dB	
	MCS7	-75dBm	±2dB			MCS7	-74dBm	±2dB	

Dimensions

Unit: mm



Ordering Information

Standard Model	Description
CIAP6300-T	300M enterprise ceiling-mounted wireless AP



Contact Us

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