Tenda



All for better networking.

O9

5.7GHz 11ac 23dBi Gigabit Outdoor CPE

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What it does

O9 5.7GHz 11ac 23dBi gigabit outdoor CPE is designed to PtP and PtMP solutions for privated ISP wireless connectivity, CCTV surveillance and data transmission. It features with 23dBi directional dual polarization antenna to provide an efficient way to pick up and maintain a stable long-distance connectivity up to 25km. Adopt of auto-bridging technology, two CPE can connect to each other automatically to make it easy to setup.

Key Features

* 5.7GHz 11ac 867Mbps
* One Gigabit ethernet port
* 23dbi dual polarization antenna
* IP65 weatherproof enclosure
* 6000V Lightning Protection
* AP,Station,WISP operating mode & IPv4,IPv6 supported
* Up to 60 meters of flexible deployment with included PoE adapter

Product Features

25km+ transmission Range

O9 adopts of independent power amplifier and 23dBi dual polarization directional antenna to provide an efficient way to pick up and maintain a stable signal for a wireless network up to 25km.

450+Mbps Wireless Throughput

O9 adopt of 11AC wave2 technology, it delivers 867Mbps speed rate at 5.7GHz radio. Come with Gigabit ethernet LAN port , the maximum throughput test for PtP connection can be up to 450Mbps.

6000V Surge Protection Design

O9 adopts of 6000V ethernet port Surge protection design, It can be more robust in the thunder season.

Easy to Assemble and Install

O9 adopts of three-axis alignment, it is easy to assemble in seconds – no tools needed. Only a single screw driver is required for pole-mounting.

Product Features

TD-MAX-TendaTDMA proprietary protocol

TD-MAX is Tenda TDMA (Time Division Multiple Access) proprietary protocol to improve performance and capacity for wireless WISP outdoor application scenarios. In outdoor enviroment, the CPE use highly directional antennas to connect to the Basestation from distances that can span several kilometers. the CPE can't sense each other, they become“hidden nodes” and cannot coordinate access to the wireless channel. Thus the Basestation experiences frequent collisions from stations transmitting simultaneously. As the network scales, these collisions build up exponentially, increasing latency and lowering throughput. With TD-MAX, it coordinate all the data transmission and allocates time to active clients to provide greater noise immunity performance when compared to the conventional 802.11 CSMA/CA (Carrier Sense Multiple Access / Collision Avoidance) protocol.

Channel shift to avoid interferrence

O9 provide Channel Shift feature to offset the central frequency 5.7MHz upper. It can avoid interference from nearby AP and deliver higher throughput.

CPE Assistant-Centralized Management Platform

O9 equipped with centralized management software that helps users easily manage all the devices in their network from a single PC - CPE Assistant. Func-tions like device discovery, status monitoring, firmware upgrading, and network maintenance can be managed using CPE Assistant.

Multiple Application Scenarios

Long-Distance Wireless Connection

One work as AP mode and another work as Station mode to create a long distance PtP wrieless connecton for privated ISP wireless connectivity, CCTV surveillance and data transmission.

WISP(Client+Router) Mode

Wirelessly connect to WISP station/hotspot to share Internet to local wireless and wired network.

Specification

Product Information	
Model	O9
Dimensions	391.5*280*223mm
Deployment	Pole Mount
Application Scenarios	PtP and PtMP wireless connection for Privated ISP access or CCTV Surveillance
Hardware Features	
Frequency Range	5.7GHz
Compliant Standards	IEEE 802.11a/n/ac
Private TDMA Protocol	TD-MAX
Maximum Wireless Rate	867Mbps
Interfaces	1*10/100/1000Mbps Ethernet Port
Antennas Gain	23dBi
Antenna Beamwidth	Horizontal: 10° Vertical: 10°
Reset Button	1
Power Consumption	7.5W
Waterproof Level	IP65
LED indicator	PoE/LAN,LED1,LED2,LED3
Power Method	24V0.5A Passive PoE
Lightning Protection	6000V
Passive PoE	Passive power over ethenet via PoE/LAN (+4,5pins; -7,8pins) Voltage range: 21-25V DC
Receiver sensitivity	11a 6Mbps -96dBm±1.5dBm
	11n MCS7 HT20 -72dBm±1.5dBm
	11ac MCS9 HT80 -65dBm±1.5dBm
Software Features	
Operating mode	AP/Station/WISP/P2MP/WDS Repeater/Router
Enable/Disable Wireless Radio	Support
SSID Hidden	Support
Wireless Client isolation	Support
SSID Isolation	Support
Channel Bandwidth	20/40/80M
Channel Shift	Support
Wireless Access Control	Support

Specification

Weak Signal Client Limitation	Support
Transmission Power	26dBm
WMM Capable	Support
APSD Capable	Support
Wireless Security	64/128 WEP,WPA-PSK,WPA2-PSK,WPA&WPA2-PSK,WPA,WPA2
Transparent Bridge	Support
VLAN Tagging for SSID	Support
DHCP Server	Support
VPN Pass-Through	PPTP,L2TP
Remote Web access	Support
Schedule Reboot	Support
Page Timeout	Support
Ping Watchdog	Support
Dyndns	noip, dyndns.org
Network Diagnoses	Ping, Traceroute, Signal Scan
Time&Date Setting	Support
Firmware upgrade	Support
Backup/Restore Configuration	Support
Username Managerment	Support
System Log	Support
Managed By Controller	PC Software—CPE Assistant
Others	
Package Contents	1*5.7GHz 11ac 23dBi Gigabit Outdoor CPE O9 1*PoE Power Adapter 1*Quick Installation Guide
Operating Temperature	-30℃ ~ 60℃
Storage Temperature	-40℃ ~ 70℃
Operating Humidity	10%~90% non-condensing
Storage Humidity	10%~90% non-condensing
Default login IP	192.168.2.1
Default Login Username	admin
Default Login Password	admin
Certifications	FCC/CE/RoHS

SHENZHEN TENDA TECHNOLOGY CO.,LTD.

Tenda Technology Bldg.Int' l E-City,
#1001 Zhong Shan Yuan Rd.,Nanshan District,Shenzhen China.

E-mail:support@tenda.com.cn
Tel:+86-755-2765 7098
Fax:+86-755-2765 7178
PC:518055

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