

## Tenda O8 outdoor long range Point to Point CPE 5GHz

Tenda O8 outdoor long range Point to Point CPE  
5GHz 11AC 433Mbps, 23dBi, 20km (alt. ILBE-M5)

Šifra: 11499  
Kategorija proizvoda: Ruteri  
Proizvođač: TENDA

Cena: **7.451,00** rsd.

O8 5GHz 11ac 23dBi outdoor CPE is designed to PtP and PtMP solutions for privated ISP wireless connectivity, CCTV surveillance and data transmission. It features with 23dBi directional vertical polarization antenna to provide an efficient way to pick up and maintain a stable long-distance connectivity up to 20km. Adopt of auto-bridging technology, two CPE can connect to each other automatically to make it easy to setup.

- 5GHz 11ac 433Mbps
- One fast ethernet port
- 23dbi directional antenna
- IP65 weatherproof enclosure
- 6000V Lightning Protection
- AP,Station,WISP operating mode supported
- 50 meters passive PoE supply for flexible deployment

### 20+km transmission Range

O8 adopts of the independent power amplifier and 23dBi vertical polarization directional antenna to provide an efficient way to pick up and maintain a stable signal for a wireless network up to 20km.

### 6000V Surge Protection Design

O8 adopts of 6000V ethernet port surge protection design, It can be more robust in the thunder season.

### Easy to Assemble and Install

O8 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.

### TD-MAX-Tenda TDMA 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 the outdoor environment, the CPE uses 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 coordinates 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 interference

O8 provides the Channel Shift feature to offset the central frequency 5MHz upper. It can avoid interference from nearby AP and deliver higher throughput.

### CPE Assistant-Centralized Management Platform

O8 equipped with centralized management software that helps users easily manage all the devices in their network from a single PC - CPE Assistant. Functions like device discovery, status monitoring, firmware

upgrading, and network maintenance can be managed using CPE Assistant.

### Long-Distance Wireless Connection

One works as AP mode and another works as Station mode to create a long distance PtP wireless connection for private ISP wireless connectivity, CCTV surveillance and data transmission.

### WISP(Client+Router) Mode

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

Dimension 391.5\*280\*223mm

Deployment Pole Mount

Application Scenarios PtP and PtMP wireless connection for Privated ISP access or CCTV Surveillance

Frequency Range 5GHz

Compliant Standards IEEE 802.11a/n/ac

Maximum Wireless Rate: 433Mbps

Interfaces: 1\*10/100Mbps Ethernet Port

Antenna Polarization: Vertical Polarization

Antennas Gain: 23dBi

Antenna Beamwidth: Vertical: 10° Elevation: 10°

GND /

Reset Button: 1

Power Consumption : 5.5W

Waterproof Level: IP65

LED Indicator: PoE/LAN,LED1,LED2,LED3

Power Method: 12V1A Passive PoE

Lightning Protection: 6000V

Passive PoE: Passive power over ethernet via PoE/LAN(?4,5pins,-7,8pins )

Voltage range: 9-35V DC

Reception Sensitivity

11a 6Mbps -95dBm±1.5dBm

11n MCS7 HT20 -72dBm±1.5dBm

11ac MCS9 HT80 -64dBm±1.5dBm

### Software

TDMA: Support

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: 20/40/80MHz

Channel Shift: Support

Wireless Access Control: Support

Weak Signal Client Limitation: Support

Transmission Power: Adjustable power by 1dBm

WMM Capable: Support

APSD Capable: Support

Wireless Security: 64/128 WEP,WPA-PSK,WPA2-PSK,WPA

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: Support

Firmware upgrade: Support

Backup/Restore Configuration: Support

Username Management: Support

System Logs: Support

Managed By Controller: PC Software -- CPE Assistant

#### Package Contents

1\*5GHz 23dBi 11ac Outdoor CPE O8

1\*Power Adapter

1\*PoE Injector

1\*Quick Installation Guide

Operation 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

Certification: FCC/CE/RoHS