

## Tenda O4 outdoor long range Point to Point CPE 5GHz 300Mbps, 14dBi, 5km

Šifra: 11780  
Kategorija proizvoda: Mrežna oprema  
Proizvođač: TENDA

**Cena: 7.430,00**



### 5km Point to Point Outdoor CPE

O4 5GHz Long Range Outdoor CPE is designed to WISP CPE solutions and long distance wireless network solutions for video surveillance and data transmission. It features with 14dBi directional antenna to provide an efficient way to pick up and maintain a stable signal for a wireless network. Adopt of auto-bridging technology, two CPE can connect to each other automatically to make it easy to setup.

O4 adopts of independent power amplifier and 14dBi directional antenna to provide an efficient way to pick up and maintain a stable signal for a wireless network up to 5km.

### Super channel-Extended Frequency

O4 adopt of Qualcomm AR9344 chipset and special software mechanism optimization for radio driven architecture to offer extended frequency support. This feature is designed to help users get out of the congested, unlicensed 5GHz band and into clean spectrum.

### 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 outdoor environment, 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.

### 10/20/30/40MHz Channel Bandwidth for better throughput

O4 apply special optimization in software for register parameter to deliver 10/20/30/40MHz channel bandwidth option. It provides extra 10MHz and 30MHz channel bandwidth option to consumize according to application scenarios.

When you choose 30MHz channel bandwidth option, it can increase throughput for noisy environments. When you choose 10MHz channel bandwidth option, it can increase the number of available, non-overlapping channels, so networks can scale better.

### Channel shift to avoid interference

O4 provide Channel Shift feature to offset the central frequency 5MHz upper. It can avoid interference from nearby AP and deliver higher throughput.

Dimension 270\*94.86\*67.5mm

Deployment Pole Mount/Wall Mount

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

Frequency Range 5GHz

Compliant Standards IEEE 802.11a/n

Maximum Wireless Rate 300Mbps  
Interfaces 1\*10/100Mbps Ethernet Port  
Antenna Polarization: Dual Polarization  
Antennas Gain 14dbi  
Antenna Beamwidth: Horizontal: 30° Vertical: 30°  
GND 1\*GND  
1\*Reset Button  
Power Consumption 8.5W  
Waterproof Level IP65  
LED Indicator PoE/LAN,LED1,LED2,LED3  
Power Method 24V0.5A Passive PoE  
Lightning Protection 6000V  
Passive PoE Passive power over ethernet via PoE/LAN (+4,5pins  
-7,8pins)  
Voltage range: 21-25V DC  
Reception Sensitivity  
11a 6Mbps -96dBm±1.5dBm  
11n MCS0: -96±1.5dBm  
11n MCS7: -72±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:10/20/30/40MHz  
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&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:Support  
Firmware upgrade:Support  
Backup/Restore Configuration:Support  
Username Managerment:Support  
System Logs:Support  
Managed By Controller:PC Software CPE Assistant

Package Contents  
1\*5GHz 11n 14dBi 300Mbps outdoor CPE O4  
1\*PoE Power Adapter  
1\*Power cord  
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