



The Smartest Network Device

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300Mbps 2.4G wireless outdoor CPE

Model No. **CP300**



300 Mbps
802.11b/g/n



WISP



Weatherproof Design



2*11dBi Antennas

➤ Overview

300Mbps 2.4G wireless outdoor CPE

Model No. **CP300**

CP300 is WISP CPE Solution that specially designed for long distance wireless transmission.

With two internal 12dBi high gain antennas and advanced radio architecture, it can make the radio signal transmission coverage more extensive with a stable wireless connection and deliver up to 300Mbps data rate. Powered by Passive PoE, CP300 makes the wires deployment more flexible. Besides, the outdoor protection design makes it to be excellent for working in all kinds of weather.

➤ Features

- Complies with IEEE802.11n /g/b standards on 2.4G band.
- RF power up to 500mw.
- Supports DHCP/Static IP/ PPPoE(dual access)/PPTP (dual access) / L2TP(dual access) broadband functions.
- Two 12dBi internal antennas.
- 4 LED signal strength indications.
- Water-proof housing (IP65).
- Supports 64/128 bit WEP encryption and WPA, WPA2, WPA-Mixed security.
- Supports passive PoE power supply.
- Lightning protection design.
- Repeater function allows more terminals to access Internet.
- WDS function connection
- Easy setup simplifies the basic setting of the router.



Selling point

➤ Super Capability for Long-distance Transmission

With two internal 12dBi high gain antennas, CP300 can bring robust signal for stable wireless connection.

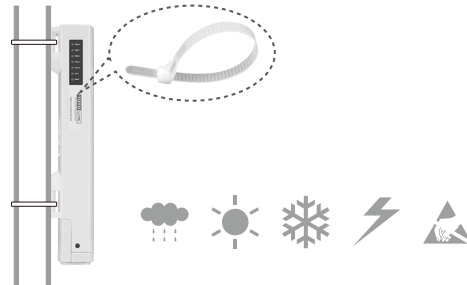
Placed on the roof of the building, it can excellently provide wireless connection for customers live far away from WISP.



➤ Outdoor Protection Design

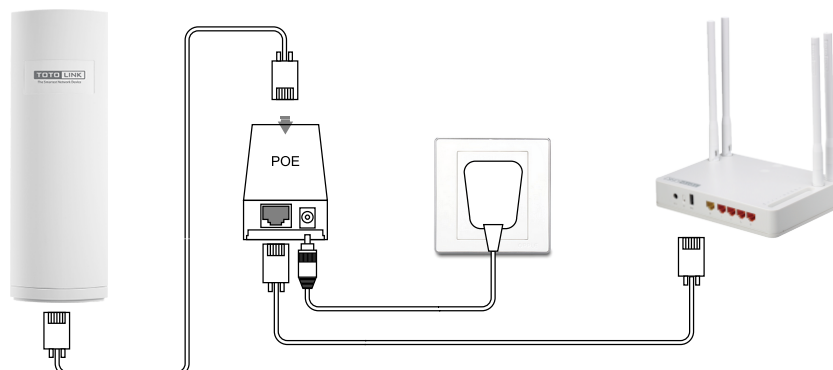
No matter where you place it, in high or low temperature condition, it will work very well as normal.

With the outdoor protection design, it can adjust poor working environment and effectively protect itself from dust, water and lightning.



➤ Flexible Power Supply By Passive PoE

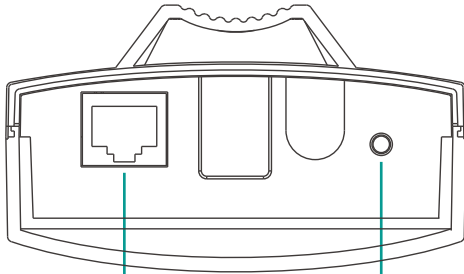
With passive PoE power supply, CP300 ensures the structured cabling security, improves the deployment flexibility, and reduces costs.



Specification

Hardware

Chipset	- RTL8196E+RTL8192ER
Flash	- Default 4MB SPI Nor Flash
SDRAM	- Default 32MB SDRAM
Interface	- 1 *100BaseTX (Auto MDI/MDIX) LAN Port (Passive PoE Supported)
Power Supply	- 12V DC /1A (PoE)
Button	- 1 *Reset Button
Antenna	- 2 *12dBi internal antennas
LED Indicators	- 1 *Power, 1 *LAN, 1 *WLAN, 4 *Signal Strength

 <p>The diagram shows the rear panel of the device with two callouts: 'RJ45 PORT (PoE Supported)' pointing to the network port and 'RESET' pointing to the circular reset button.</p>	
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Wireless

Standards	- IEEE 802.11n, IEEE 802.11g, IEEE 802.11b, IEEE 802.3u, IEEE 802.3
RF Frequency	- 2.4~2.4835GHz
Data Rate	- 802.11n: up to 300Mbps - 802.11g: up to 54Mbps (dynamic) - 802.11b: up to 11Mbps (dynamic)
Wireless Security	- 64/128-bit WEP, WPA/WPA2, WPA-Mixed
Channels	- 1-11 (North America), 1-13 (General Europe), 1-14 (Japan)
Modulation Type	- DBPSK, DQPSK, CCK and OFDM (BPSK,QPSK,16-QAM/ 64-QAM)
Reception Sensitivity	- 11M: -81 dBm@10% PER - 54M: -68 dBm@10% PER HT20 MCS7: -65 dBm@10% PER HT40 MCS7: -62 dBm@10% PER

Specification

Software

System Status	- A summary of wireless status
Operation Mode	- Repeater (Extender) - Ap - WISP - Client
Network	- LAN Setting - Static DHCP Setup
Wireless	- Basic Setting - Advanced Setting - WDS Setting - Access Control - WPS Setting
Management	- Basic Setting - Upgrade Firmware - Save/ Reload Setting - Time Zone Setting - Password Setting - Reboot Schedule - Reboot Router

Others

Package Contents	- CP300 2.4GHz CPE *1 - PoE Box *1 - Power Adapter *1 - Ethernet Cable *1 - Strips *2 - Quick Installation Guide *1
Environment	- Operating Temperature: 0℃~40℃ (32℉~104℉) - Storage Temperature: -40~70℃ (-104℉~158℉) - Operating Humidity: 10%~90% non-condensing - Storage Humidity: 5%~95% non-condensing

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