Wireless N
High Power CPE/Router
802.11n/b/g/a (2T*2R)

Model No. CP300

CP300 is WISP CPE Solution that specially designed for long distance wireless transmission. With two internal 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.ment more flexible.

Features

- Complies with IEEE802.11n /g/b standards on 2.4G band.
- Supports PPPoE, DHCP, Static IP, PPTP and L2TP broadband functions.
- RF power up to 500mw.
- Two 11dBi internal antennas.
- Multiple APs allows user to add other two SSIDs according ly.
- 4 LED signal strength indications.
- Supports 64/128 bit WEP encryption and WPA-PSK, WPA2-PSK security.
- Repeater function allows more terminals to access Internet.
- Supports passive PoE power supply.
- Lightning protection design.
- QoS can allocate bandwidth reasonably.

Specifications

Hardware	
Interface	- 1 *100BaseTX (Auto MDI/MDIX) LAN Port (Passive PoE Supported)
Power Supply	- 12V DC /1A
Button	- 1 *Reset Button
Antenna	- 2 *11dBi internal antennas
LED Indicators	- 1 *Power, 1 *LAN, 1 *WLAN, 4 *Signal Strength
Environment	- Operating Temperature: 0℃~55℃ (32°F~131°F) - Storage Temperature: -20~65℃ (-4°F~149°F) - Operating Humidity: 10%~90% non-condensing - Storage Humidity: 5%~95% non-condensing
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-PSK/WPA2-PSK (TKIP/AES)
Output Power	- 27dBm (Max.)
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	- 270M: -64 dBm@10% PER - 135M: -65 dBm@10% PER - 54M: -68 dBm@10% PER - 11M: -85 dBm@8% PER - 6M: -88 dBm@10% PER - 1M: -90 dBm@8% PER

Software	
Easy Setup (Gateway mode)	- Internet Status, Internet Settings, Wireless Settings
System Status	- A summary of wireless status
Operation Mode	- Gateway - Bridge - Wireless ISP
Network	- LAN Setup - Static DHCP Setup - WAN Setup (Bridge mode doesn't have this option)
Wireless	- Wireless Status - Basic Setting - Security Setting - Advanced Setting - Multiple APs - MAC Authentication - WDS - WPS - Repeater
Quality of Service (Gateway mode)	
Firewall (Gateway mode or Wireless ISP mode)	- IP/Port Filtering - MAC Filtering - URL Filtering - Port Forwarding - DMZ Setting - Denial of Service
Management	- Statistics - Dynamic DNS Setting (Bridge mode doesn't have this option) - Time Zone Setting - Remote Management - System Log - Upgrade Firmware - Save/Reload Setting - Administrator Setting