

5GHz 300Mbps High Gain Outdoor WISP CPE

CP530 series

- WISP 300Mbps CPE
- TDMA protocol
- Compliant with 802.11a/n
- 2x2 MIMO outdoor
- 16 dBi dual-polarized antenna
- Supports RSSI signal LEDs
- Supports MAC and IP address filter
- Passive PoE
- SNMP remote management
- IP65 weatherproof housing

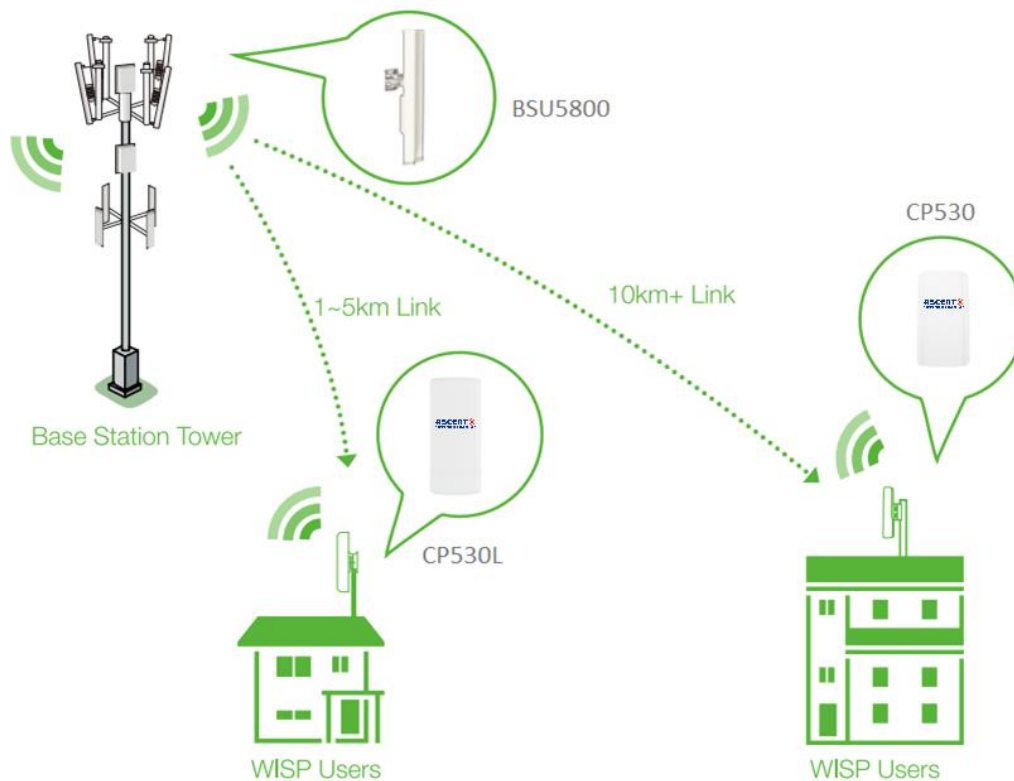


CP530 series is a 5GHz 300Mbps 2x2 MIMO outdoor wireless CPE based on 801.11a/n technology. It is a high-performance cost-effective solution for long-distance wireless networks. CP530 series is designed with dual power amplifier which has output of 23dBm power. The receive sensitivity is specially optimized to improve signal quality and robustness. The outdoor weatherproof enclosure is also integrated high gain 16dBi directional dual-polarized antenna which allows the CPE for long range and high speed outdoor wireless transmission. Featuring TDMA technology and a 16 dBi dual-polarized sector antenna, CP530 is specially designed for wireless internet in rural areas, long-distance wireless data transmission, wireless coverage extension, and other wireless industrial applications.

Key Features

- TDMA greatly improves network scalability in throughput and latency
- Compliant with 802.11a/n, speed up to 300 Mbps
- Multi-operation modes support Gateway/WISP/Client/Access Point/Repeater
- 16 dBi dual-polarized antenna expand coverage and enhance coverage density
- Supports RSSI signal LEDs
- Transmit power selectable and distance control
- Supports QoS: traffic control and WMM
- Supports MAC and IP address filter
- Supports WiController SNMP, remote management
- Passive PoE (24V DC) for flexible deployment
- IP65 outdoor weatherproof housing

Application Diagram



The CP530L as a station in PtMP WISP connection.

Specifications

| | |
|----------------------------|---|
| Radio | 802.11a/n radio (Atheros 600MHz) Speed up to 300 Mbps Frequency Range: 5.150 ~ 5.250 GHz 5.150 ~ 5.250 GHz 5.250 ~ 5.350 GHz (Supports DFS) 5.470 ~ 5.725 GHz (Supports DFS) 5.725 ~ 5.825 GHz Tx power: up to 23 or 27 dBm Rx Sensitivity 300M: -74 dBm @ 10% PER 54M: -78 dBm @ 10% PER 1M: -98 dBm @ 10% PER |
| Antenna | 16 dBi dual-polarized directional antenna Beamwidth (HPBW) Horizontal: 45° Vertical: 14° Open space up to 1 ~ 10 km (dependent) |
| Interfaces | 1 × 10/100/1000 Base-T Ethernet (RJ45 with passive PoE) |
| Security | Integrated firewall WPA/WPA2; WPA-PSK/WPA2-PSK (AES/TKIP) Encryption: 64/180-bit WEP |
| LED | Power: On/Off LAN: On/Off/Flashing WLAN: On/Off/Flashing RSSI Signal: 1, 2, 3 |
| Certification | CE, RoHS |
| Warranty | 2 years |
| Power | 24V DC, 0.75A Power consumption: 6W |
| Physical Parameters | Dimensions: 200 × 90 × 68 mm Weight: 0.27 kg Enclosure: IP65 weatherproof plastic ESD protection: 15kV Lightning protection: 4kV Working temperature: -40 ~ 80°C Storage temperature: -40 ~ 85°C Working humidity: 10 ~ 95% (non-condensing) |

Ordering Information

| Item | Description |
|----------|---|
| CP530-23 | CP530 outdoor wireless Customer Premise Equipment, 23dBm power, MIMO 2x2, 16dBi integrated antenna, World PoE |
| CP530-27 | CP530 outdoor wireless Customer Premise Equipment, 27dBm power, MIMO 2x2, 16dBi integrated antenna, World PoE |

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