

Product Overview



The CPE 2-N couples screaming output power (500 mW) with a unique, compact design to deliver a robust 2.4 GHz CPE solution for WISPs both small and large. At only 15cm x 13cm x 7cm, the CPE 2-N can be installed in a variety of environments where spatial or aesthetic restrictions are present. This product also features an external N-Connector for custom antenna application and integrates a powerful, Atheros-based chipset radio for carrier-class connectivity.

The software features of the CPE 2-N include a powerful Linux-based core OS, with an easy-to-use, web-based GUI, providing an increased amount of flexibility, stability, features, and management functions that are not present in other WISP products on the market today. This product is also compatible with RCMS, a centralized configuration, firmware, and statistics server for carrier class management.

Key Features

- 500 mW RF Output power (adjustable)
- External N-Connector for custom antenna
- Full, half, and quarter bandwidth channels
- PoE built-in for single cable installation
- Compact weatherproof enclosure
- Configurable Multi-mode CPE
 - Client
 - Client Router
 - WDS
- Latest security technologies
- Comprehensive software features
 - IP routing
 - DHCP client/server/relay
 - DNS relay/proxy
 - Stateful inspection firewall
 - MAC/IP filtering
 - Digital device certificates
 - Multicast video support for CCTV or IPTV (IGMPv3)
- Comprehensive management features
 - Web GUI
 - Command line management via SSH
 - RCMS server support for configuration
 - SNMP V1/2 with traps supporting MIBs: 802.1, 802.1x, MIBII
 - Syslog support

Specifications

WLAN Standard

802.11 b/g

Radio Scheme

802.11g: OFDM (64QAM, 16QAM, QPSK, BPSK)

802.11b: DSSS (CCK, DQPSK, DBPSK)

Frequency Range

2.3 GHz ~ 2.5 GHz (Country dependent)

RF Output Power

Up to 27 dBm - Adjustable

Receiver Sensitivity

802.11g: -93 +/- 2dBm @ 6 Mbps, -75 +/- 2dBm @ 54 Mbps

802.11b: -96 +/- 2dBm @ 1 Mbps, -90 +/- 2dBm @ 11 Mbps

Data Rate

802.11g: 54 / 48 / 36 / 24 / 12 / 9 / 6 Mbps

802.11b: 11 / 5.5 / 2 / 1 Mbps

Power Supply

On-board Ethernet surge protection

Input power accepts 9V–52V power-over-ethernet

18V / 1.1 A power-over-ethernet power supply included

Antenna

N-connector

Operating Mode

Client

Client Router

WDS

Security

Password Protection

WPA / WPA2 Personal/Enterprise

MAC Filtering

Hidden SSID Support

802.11i

802.1x

Static and Dynamic WEP

Enclosure

Compact Weatherproof Enclosure (15 cm. x 13 cm. x 7 cm.)
meets IP67 standards

Operating Environment

Temperature -25C ~ 65C

Humidity 20 ~ 90% (non-condensing)

Certification

FCC/IC/CE

Warranty Period

1-Year