

Product Overview



configuration, firmware, and statistics server for carrier class management.

The CPE 5 product marks the launch of the 5 GHz, flexible antenna solutions on the Deliberant product line. This high powered, carrier-grade product operates on a Linux-based core operating system—providing an increased amount of flexibility, stability, features, and management functions that are not present in other WISP products on the market today. The CPE 5 product is field proven and delivers superior 5 GHz performance designed to serve the needs of WISPs both large and small. The CPE 5 is also compatible with RCMS, a centralized configuration, firmware, and statistics server for carrier class management.

The hardware features of the CPE 5 include a powerful 24dBm RF engine with a software selectable, integrated or connectorized antenna solution. The combination of high output power along with the customizable antenna configuration make this product a versatile solution for 5 GHz client operation. The radio is also encased in a sleek, durable outdoor enclosure built to withstand extreme operating environments and the harshest of conditions for use in any WISP network.

Specifications

WLAN Standard

802.11a

Radio Scheme

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

Frequency Range

4.9 GHz - 5.85 GHz (Country dependent)

RF Output Power

Up to 24 dBm - Adjustable

Receiver Sensitivity

-93 +/- 2dBm @ 6Mbps, -74 +/- 2dBm @54 Mbps

Data Rate

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

Power Supply

On-board Ethernet surge protection
Input power accepts 9V–24V power-over-ethernet, perfect for solar installations
18V Power supply + PoE injector included

Antenna

Software selectable—18 dBi Integrated
Panel or N-connector for custom antenna application

3dB Beamwidth (Vertical/Horizontal)

16 deg / 16 deg

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

Weatherproof Enclosure
(20 cm. x 20 cm. x 9 cm.)
meets IP67 standards

Operating Environment

Temperature -30C ~ 60C
Humidity 10 ~ 90% (non-condensing)

Warranty

1-Year

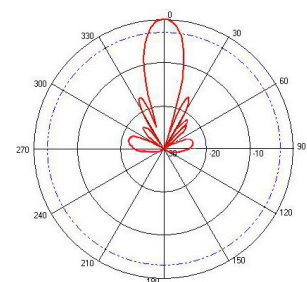
Certification

FCC/CE

Key Features

- Adjustable RF Output power
- Software selectable antenna solution:
 - 18dBi integrated panel antenna, or
 - External N-Connector for custom application
- Full, half, and quarter bandwidth channels
- PoE built-in for single cable installation
- 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

RF Patterns (Vertical)



RF Patterns (Horizontal)

