

## SuperCPE

## Rugged High Power CPE

### High Power Client with Integrated Directional Antenna

ValuePoint™ Networks SuperCPE is designed for long range communications from a customer premises location to an access point. It has an adjustable 500 mW radio output, and an entirely enclosed 12 dBi Flat Panel Antenna. It runs in client mode and has a built in NAT server to support multiple devices behind the client. This unit is packaged in an outdoor rated compact form factor. Pricing for the SuperCPE is more cost effective than ever before, dramatically lowering your infrastructure costs, and increasing your Return on Investment.



### Hardware Features

The SuperCPE comes with a versatile integrated flat-panel 12 dBi 120 degree directional antenna and a back mount dual swivel joint for mounting to a wall or pole. The customer premises' Ethernet cable connects to the AP through a waterproof coupler and the entire unit is sealed. The SuperCPE is powered by an included Power over Ethernet injector (powers up to 60 ft cable length, longer lengths require POE-1).

### Range

The SuperCPE can connect up to 20 km line of sight to a high powered ValuePoint AP such as the SuperAP or MultiAP. Obstacles in the line of sight will impede the signal and resulting distances will vary. The 500 mW output and high receive sensitivity make the SuperCPE the superior choice for long range applications.

### Security and Management

The SuperCPE supports 64-bit/128-bit WEP and WPA/WPA2. It is easy to setup through secure HTTP Web-based management. Additionally, management can be done via SNMP V 1, V 2, 802.1x and 802.1d MIBs. It supports remote firmware upgrades.

### About ValuePoint Networks

ValuePoint Networks is the foremost manufacturer of price leading Gateway Controllers, Rugged Access Points, and outdoor Mesh gear.

ValuePoint products are used in Hospitality, MTU/MDU, industrial, WISP, outdoor, hotspot, municipal, and enterprise applications. Using ValuePoint gear, you can light up more for less, reduce your capital expenditures, and improve your Return on Investment.

[www.valuepointnet.com](http://www.valuepointnet.com)

### Technical Specifications

#### Wireless

- IEEE 802.11b/g
- 500 mWatt (b mode) and 100 mWatt (g mode) transmit power
- Built in 12 dBi flat panel antenna
- Transmit power control
- Frequency band: 2.4-2.4835GHz
- Media Access Protocol: CSMA/CA with ACK
- Data Rates: OFDM@54Mbps, CCK@11/5.5Mbps, QPSK@2Mbps and DBSK@1Mbps
- Range: 20 km line of sight communicating to ValuePoint AP
- 87 dBm - 81 dBm receive sensitivity b mode
- 86 dBm - 68 dBm receive sensitivity g mode

#### Networking

- DHCP Client WAN
- DHCP Server LAN
- NAT Router

#### Security

- 64/128 bit RC4 WEP
- WPA (TKIP), WPA2 (AES), WPA2 Mixed
- 802.1x Port-based Network Access Control (EAP-MD5, EAP-TLS)

#### Management

- Web-based management
- Antenna alignment and RSSI monitoring
- Web-based firmware upgrade
- System logging (local or remote)
- SNMP v1/v2, MIB II with traps, 802.1x, 802.1d MIBs

#### Interfaces

- 1 10/100M Ethernet LAN port

#### Operating Environment

- UL 2043 Plenum rated
- NEMA and IP 68 rated for outdoor operation
- Operating Temperature: -20 to 70 C
- Storage Temperature: -20 to 70 C
- Humidity: Max. 95% non-condensing
- 8 in x 8 in x 2.5 in / 2 Lbs

#### Electrical

- Power Over Ethernet- up to 60 ft. cable length, longer runs require POE-1

#### Regulatory Approvals

- FCC part 15 Class B, VCCI Class B, CE Mark



**Warranty**

- One year parts and labor