



We Connect the World



CPE-2010G

**IEEE802.11g Wireless Outdoor
Bridge(500mW),10dBi Sector-Antenna
Integrated EIRP=37dBm (H110, E60)**

IP68 Waterproof

Die Cast Housing

500mW High power

-96dB RX Sensitivity

LED for Signal Strength

10dBi Sector Antenna Integrated

8 x Multiple SSID

PheeNet CPE-2010G is a 500mW 802.11b/g Wireless Outdoor device for long range wireless transmission, and equips with a 10dBi Sector Antenna integrated. It supports multiple operation modes, AP, WDS, CPE, and can function as Wifi modem to receive wireless signal over the last mile Internet from the WISPs.

While CPE-2010G acts in AP mode, it provides better wall-penetrating signal and long range coverage because of high power. In addition, it can be set up as a WDS mode to establish the point to point bridge connection or multi point bridge connection to build up a large coverage areas.

Considering the business application, CPE-2010G in AP mode is also ideal for enterprise application. It equips with Multiple SSID (max. 8), and is capable of acting as multiple virtual APs. By tagging the traffic from each VAP with a Unique VLAN ID, it allows for segmenting a corporate network using VLANs to protect critical resources.

With rugged IP68 Waterproof rate and metal housing and external LED for signal strength, it eases the effort and hassle for the WISP to implement the solution. PheeNet CPE-2010G is an ideal solution for deployments in harsh conditions, such as outdoor or industrial environments.

APPLICATION



Features

- I Compliance with IEEE802.11bg
- I Up to 500mW High Power, 37dBm EIRP
- I Built in 2.4GHz 10dBi Sector Antenna (H110, E60)
- I Support 8 Multiple- BSSID
- I Support 8 WDS setting
- I Enhanced Security by 802.1x, WPA, and AES
- I No of associated clients per AP: 32
- I Setting for maximum no associated clients
- I Support IEEE802.11d Multi country roaming & IEEE802.11h Transmission Power Control
- I Quality of service: IEEE802.11e WMM, IEEE802.11q Tag VLAN Priority Control IEEE802.11p/CPS, Diffserv/TOS
- I Bandwidth Control (upstream / downstream) while CPE mode
- I Built-in POE
- I Support 3 LEDs Wireless Signal Strength
- I Over load current protection
- I Wide Range Voltage support (12-68VDC)
- I IP68 rated Waterproof
- I Weather-Proof M-13 RJ45 Connector and N-Type Connector

Specification

Industrial Standard	
Standard	IEEE 802.11g IEEE 802.11b IEEE 802.11 IEEE 802.3u 100Base-TX Fast Ethernet IEEE 802.11d IEEE 802.11h
Interface	10/100Base-TX (RJ-45) x 1 W/ POE function
Security	<ul style="list-style-type: none"> - 64/128/156-bit WEP - 802.1x, WPA TKIP, WPA2 AES/Mixed mode for PSK and TLS(Radius) - MAC Address Filter (deny or accept) - User Isolation - Hidden ESSID - VLAN Assignment on ESSID - No. of registered Radius Server: 2
RF	
Frequency Band	2.4GHz
Signal Type	802.11g: OFDM 802.11b: DSSS
Modulation	802.11g: OFDM (64QAM, 16QAM, QPSK, BPSK) 802.11b : DSSS(CCK, DQPSK,DBPSK)
Sensitivity	1Mbps: -96dBm, 6Mbps: -93dBm, 11Mbps: -89dBm, 54Mbps: -74dBm
Output Power	EIRP=37dBm
Transmit Power Control	9 levels
Channel	802.11b/g : 11 for FCC, 14for Japan13 for Europe, 2 for Spain, 4 for France
Operating Mode	AP Mode WDS Mode (Repeater/Bridge) CPE Mode (Client Bridge)
Network	DHCP/NAT Server DHCP Client (CPE Mode) PPPoE MAC Clone
Management	Web configuration, Signal Strength Support SNMP v2c /v3 Support MIB II Support Telnet Support HTTP/WEB Support TFTP Command Line Interface (CLI) Event log Remote Link Test display connection

Hardware	
Processor	AR2315
Flash	4MB
SDRAM	16MB
LED Indication	Power, LAN ,Wireless, Wireless Strength (3* LEDs)
Antenna	10dBi Sector Antenna (H110, E60)
Environment	Operating Temperature: -30 °C ~ 60 °C Storage Temperature: -30 °C ~ 85 °C Humidity: 100%(non condensing)
Power Supply	AC Input : 110 – 220V AC Power DC Output : 12 VDC, 1.5A input (Power Injector) DC Output: 48VDC, 0.4A input (POE Power Injector)
Power Consumption	9W
Waterproof	IP68 Certificated
Mounting	Wall Mount and Pole Mount, Die-Cast aluminum Enclosure
Dimensions	162 (L) x 102 (W) x 58 (H) mm
Weight	0.66Kg

