

POINT TO POINT  
POINT TO MULTIPOINT

CPE



Customer  
Premises  
Equipment

HORIZONTAL

# CPE-Z24G/N

(Horizontal Polarization)

## Highlights

Offers a cost-effective solution

Can be used for creating hotspots in point to point or point to multi-point scenario

Designed to provide optimum performance with minimum power consumption

Enhances the reach of a robust WLAN network

Uses horizontal polarization avoiding the interference at minimum level

## Key Features

- Integrated powerful radio and antenna
- Weatherproof enclosure
- Works on the Orthogonal Frequency-Division Multiplexing (OFDM) technology

## Standard Functions

- High Power Wi-Fi Router
- Perfect for wireless LAN Outdoor integrated solution
- Can be used in three modes - as Wireless Router/ Bridge device / Out Door WISP solution

## Ideal Solution For

- Retail Internet Service Providers (ISP)
- Low Cost Wireless Internet Service Providers (WISP)
- Indoor/Outdoor Access Point / Wireless Router

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## Features

- Outdoor CPE WLAN Broadband AP/Router
- High Power Wireless Radio CPE
- AP/Client/Router/Bridge/Repeater/WDS for 802.11b/g/n
- Integrated Radio with Antenna Unit
- 802.11 b/g/n Applications

## Specifications

Radio	IEEE 802.11b/g/n
Ethernet Connection Standard	2 RJ45 10/100 Mbps data port IEEE 802.1d (Spanning Tree Protocol) IEEE 802.11b (11 Mbps Wireless LAN) IEEE 802.11g (54 Mbps Wireless LAN) IEEE 802.11n (150 Mbps Wireless LAN) IEEE 802.1x (Network Access Control) IEEE 802.3 (10Base-T Ethernet) IEEE 802.3u (100Base-TX Fast Ethernet)
Operation Modes	Gateway mode Bridge mode WISP mode
Frequency Range	2.400 GHz - 2.483 GHz
Modulation technologies	802.11b: Direct sequence Spread Spectrum (DSSS): DBPSK, DQPSK, CCK 802.11g: Orthogonal Frequency Division Multiplexing (OFDM): BPSK, QPSK, 16QAM, 64QAM 802.11n: Orthogonal Frequency Division Multiplexing (OFDM): BPSK, QPSK, 16QAM, 64QAM
Security	64 WEP encryption (64/128 bit) WPA TKIP WPA2 AES WPA2 mixed WPA RADIUS 802.1x Authentication Client access control through media access control (MAC) filter
Data Rate	IEEE 802.11b (11 Mbps, 5.5 Mbps, 2 Mbps, 1 Mbps) IEEE 802.11g (54 Mbps, 48 Mbps, 36 Mbps, 24 Mbps, 18 Mbps, 12 Mbps, 9 Mbps, 6 Mbps) IEEE 802.11n (MCS0-7: up to 150 Mbps)

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## Specifications (Cont...)

Transmit Power	OFDM: 23 dBm +/- 1.5 dBm (150 Mbps) OFDM: 23 dBm +/- 1.5 dBm (54 Mbps) CCK: 28 dBm +/- 1 dBm (11 Mbps)
Receiver Sensitivity	11n (150 Mbps) MCS0-7: -73 dBm 11g (54 Mbps) OFDM: -73 dBm 11b (11 Mbps) CCK: -91 dBm
PoE Power Adapter	12V/DC@1.25A/1.5A
External PoE Injector	IEEE 802.3 (Ethernet)
Mounting	Hose Clamp
Enclosure	Weather Proof Enclosure
Integrated Antenna	14dBi Panel Antenna
Temperature	-40 to +80°C
Humidity	10- 95% @ 55°C , RH, non-condensing
Radome Material	ABS, UV resistant
Dimension	259 x 215 x 98 mm

The specifications listed above are subject to change without prior notice

## 14dBi Antenna Specifications

Frequency Range	2400 ~ 2500 MHz
Gain	14dBi
VSWR	18 : 1 Max.
Impedance	50 Ohms
Polarization	Linear Horizontal
HPBW/ Horizontal	30
HPBW/ Vertical	30
Front Back Ratio	14dB
Power Handling	50 Watts ( CW )
Survival Wind Speed	216 Km/ Hr

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