

# EZMIMO-CPE 5.8 GHz for Thailand

## Standard Features Highlights

- IEEE 802.11a/n compliant
- Data, Voice and Video transmission with quality performance
- 20 dBm output power
- 802.11N for 2 x 2 MIMO
- Built in 5GHz 5 dBi dual polarization antenna
- Supports IEEE 802.11i, IEEE 802.1x authentication
- Weatherproof IP65 casing



Item#: 11-512  
All-in-One  
EZMIMO CPE  
with 5 dBi 5.8 GHz  
MIMO Antenna

## Technical Specifications

|                       |   |
|-----------------------|---|
| Frequency Range       | : 5150MHz ~ 5850MHz   |
| Watch Dog Timer       | : Yes   |
| RoHS compliance       | : Yes   |
| Ethernet Connection   | : RJ-45 All Weather x 1 Port<br>: 10/100 BaseT, Auto - negotiation<br>: IEEE 802.3, IEEE 802.3u, IEEE 802.3af |
| Console Connection    | : RJ-45, RS-232 (UART) x 1 Port   |
| Management            | : web configuration interface, TELNET, SNMPv1, V2, V3c, Serial port console, EZNMS                            |
| Mounting              | : pole mount  |
| DC Power Input        | : Includes 48VDC Adapter<br>And PoE Injector with surge protection<br>IEEE802.3af compliant                   |
| Reset                 | : Button Power Reset<br>: Reset to Factory Default  |
| LED                   | : Power, Wireless Activity  |
| Operation Temperature | : - 40 °C to + 70 °C  |
| Operation Humidity    | : 5% - 95% non condensing   |
| Regulation Compliance | : FCC Part 15B, FCC Part 15C,<br>EN300328, EN302502, EN301893,<br>EN301 489-1/17, EN60950-1, IP-55, IP65      |

## Antenna Built in Specifications

|                  |                         |
|------------------|-------------------------|
| Frequency Range  | 5150MHz ~ 5850MHz       |
| V.S.W.R.         | ≤1.5                    |
| Return Loss      | ≥-20db                  |
| Antenna Type     | Unidirectional Antenna  |
| Gain             | 5 dBi                   |
| Polarization     | Vertical and Horizontal |
| Weight           | 7 lbs                   |
| Beam width       | 45 °                    |
| Impedance        | 50Ohm                   |
| Inside Connector | MMCX Male * 2           |
| Wind Survival    | >150 MPH                |
| Radome Material  | ABS + PC                |
| Dimension        | 6.1 x 8.5 x 3.9 inches  |

## Packing include



Mounting kit



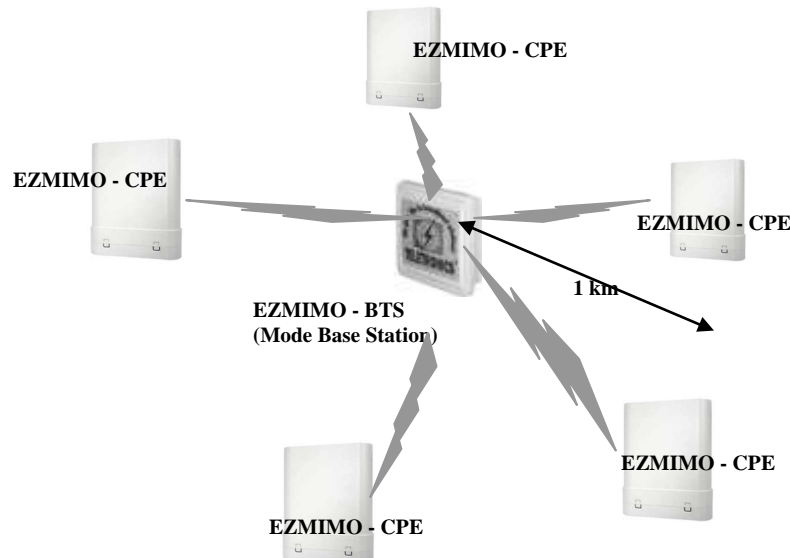
Power Supply input 220 VAC 50HZ  
output 48 VDC



PoE with Surge Protection

## Radio Specifications

|                               |  |
|-------------------------------|--|
| System operation              | Full duplex, Time Division Duplexing (TDD)   |
| Output power                  | 20 dBm   |
| Output Power control          | Adjustable TX power and data rate, Automatic adjustable  |
| Different Network Mode        | Client, WDS  |
| Data Rate IEEE 802.11n        | 20MHz 1Nss: 65Mbps @ 800GI, 72.2Mbps @ 400GI (Max.)<br>2Nss: 130Mbps @ 800GI, 144.4Mbps @ 400GI (Max.)<br>40MHz 1Nss: 135Mbps @ 800GI, 150Mbps @ 400GI (Max.)<br>2Nss: 270Mbps @ 800GI, 300Mbps @ 400GI (Max.)   |
| Frequency Range IEEE 802.11a: | 5.150 ~ 5.350GHz, 5.470 ~ 5.725GHz, 5.725 ~ 5.850GHz (US & Canada)<br>5.150 ~ 5.350GHz, 5.470 ~ 5.725GHz, 5.725 ~ 5.875GHz (Europe)<br>5.150 ~ 5.250GHz, 5.250 ~ 5.350GHz, 5.470 ~ 5.725GHz (Japan)<br>5.150 ~ 5.350GHz, 5.470 ~ 5.725GHz, 5.725 ~ 5.850GHz (Thailand) |
| Modulation                    | OFDM: BPSK, QPSK, 16QAM, 64QAM<br>DSSS: CCK, DQPSK, DBPSK  |
| Security Encryption           | WEP 64/128, WPA-PSK/ WPA2-PSK, WPA/WPA-2, AES128, TKIP128  |
| Networking                    | Bridging mode, NAT gateway, static routing, RIPv2 dynamic routing, Routing OSPF, Routing function no spanning Tree Protocol, DHCP client, DHCP server static/dynamic VLAN, IEEE 802.1Q, management VLAN, SSID-based tagging, PPPoE, QoS (802.11e and WMM)              |



Point to Multi point at one EZMIMO BTS can support 10 EZMIMO-CPE subscribers with average throughput data rate of 6Mbps per subscriber.