

## ENH200

### LONG RANG WIRELESS 11N OUTDOOR CB/AP

IEEE802.11b/g/n 1T+1R 150Mbps 25Km High Performance

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### OVERVIEW

**Frequency Band** : 2.412-2.472GHz  
**High Gain 10dBi Internal Antenna**  
**with dual polarization**  
**CB/AP/CR/WDS Operation Mode**  
**Extended RJ-45 Port**  
**IP55 Waterproof Protection**  
**LED Indicator**

### Features

#### Specification

- **High output power** Transmit high output power programmable for different country selections
- **High Data Rate** High speed transmitting rate up to 150Mbps with 1T1R 802.11n
- **Long range transmitting** Transmit power control and distance control (ACK timeout)
- **Signal Strength Display** RF signal strength status shown LEDs of 3 colors, making network build-up easier. LED indicators have the best transmit and receive signal for traffic communication
- **Multiple SSID** 4 SSID supported. Each SSID can set itself wireless or WAN access setting

#### Networking

- **Narrow Bandwidth** Provide different bandwidth selection (5MHz/10MHz/20MHz/40MHz) for wireless communication
- **PPPoE** Point-to-Point Protocol over Ethernet at Client Router mode. This function will keep trying when failed or disconnected
- **PPTP** Point-to-Point Tunneling Protocol (PPTP) is a method for implementing virtual private networks
- **802.11i & 802.1x** WPA, WPA2 & IEEE802.1x Authenticator

#### Management

- **Firmware Upgrade** Upgrading firmware via web browser, setting are reserved after upgrade
- **Reset & Backup** Reset to factory default. User can export all setting into a file via WEB
- **Ping & Trace Route** Built-in PING function & Trace Route function in Web GUI
- **MIB** MIB I, MIB II(RFC1213), Private MIB
- **SNMP** V1, V2c

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#### Specifications

Standard	IEEE 802.11 b/g/n	
Physical Interface	<ul style="list-style-type: none"> <li>- 1 x Port with PoE support</li> <li>- 1 x Port</li> <li>- 1 x Reset</li> </ul>	
Data rate	150 Mbps	
LEDs status	<ul style="list-style-type: none"> <li>- Power Status</li> <li>- LAN1/LAN2 (10/100Mbps)</li> <li>- WLAN (Wireless is up)</li> <li>- 3 x Link Quality (Client Bridge mode)</li> </ul>	
Security	<ul style="list-style-type: none"> <li>- WEP Encryption-64/128/152 bit</li> <li>- WPA/WPA2 Personal (WPA-PSK using TKIP or AES)</li> <li>- WPA/WPA2 Enterprise (WPA-EAP using TKIP)</li> <li>- 802.1x Authenticator</li> <li>- Hide SSID in beacons</li> <li>- MAC address filtering, up to 50 field</li> <li>- Wireless STA (Client) connected list</li> </ul>	
Power Requirements	<ul style="list-style-type: none"> <li>- Active Ethernet (Power over Ethernet)</li> <li>- Proprietary PoE design</li> <li>- Power Adapter 24VAC / 0.6A</li> </ul>	
Antenna	Internal Directional 10dBi	
Package Contents	<ul style="list-style-type: none"> <li>- Wireless Long Range 11N CB/AP(ENH200)</li> <li>- PoE Injector (EPE-24R)</li> <li>- Power Adaptor</li> <li>- CD with User's Manual</li> <li>- QIG</li> <li>- Mounting Set</li> <li>- Special screw set</li> </ul>	
Certifications	FCC, CE, IC	
<b>RADIO FREQUENCY BAND</b>		
<b>Channel</b>	<b>Tx Avg. Power Optimal (dBm)</b>	<b>Rx Sensitivity Optimal (dBm)</b>
<b>802.11b(2.412 ~ 2.472GHz)</b>		
1Mbps	29	-97

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2Mbps	29	-95
5.5Mbps	29	-92
11Mbps	29	-89
<b>802.11g(2.412 ~ 2.472GHz)</b>		
6Mbps	26	-96
9Mbps	26	-93
12Mbps	26	-89
18Mbps	26	-85
24Mbps	25	-81
36Mbps	24	-79
48Mbps	23	-76
54Mbps	22	-75
<b>802.11n(2.412 ~ 2.472GHz)</b>		
MCS0 / MCS8	26	-95
MCS1 / MCS9	26	-92
MCS2 / MCS10	26	-87
MCS3 / MCS11	26	-85
MCS4 / MCS12	24	-80
MCS5 / MCS13	23	-79
MCS6 / MCS14	22	-74
MCS7 / MCS15	21	-73
<b>ENVIRONMENT &amp; MECHANICAL</b>		
Temperature Range	Operating -20°C ~ 70°C Storage -30°C ~ 80°C	
Humidity (non-condensing)	0%~90% typica	
Waterproof	IP55	