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ENH200

LONG RANGE WIRELESS 11N OUTDOOR CB/AP

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

PRODUCT OVERVIEW

ENH200 is 802.11b/g/n Access Point / Client Bridge has been developed to address applications and networks which need higher speed and better coverage. Its integrated 10dBi antenna offers dual polarized wireless connection. With IP55, weather-proof housing, ENH200 is make to last and therefore lower its maintenance cost.

To support connection to other IP base devices, ENH200 provided an additional LAN port. The high performance RF design allows distance control up to 25km. The RSSI indicator also enables the best transmits and receives signals for traffic communication.

To protect your wireless connectivity, it can encrypt all wireless transmissions through 64/128-bit WEP data encryption and also supports WPA/WPA2. The MAC address filter lets you select exactly which stations should have access to your network. In addition, the User Isolation function can protect the private network between client users.

To help WISP and network administrator to better manage the WiFi Access, ENH200 is equipped MSSID and VLAN tagging.

*Theoretical wireless signal rate based on IEEE standard of 802.11 b, g, n chipset used. Actual throughput may vary. Network conditions and environmental factors lower actual throughput rate.
** All specifications are subject to change without notice

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Datasheet
ENH200

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

SPECIFICATIONS

Standard	IEEE 802.11 b/g/n
Physical Interface	- 1 x Gigabit Port with PoE support - 1 x Gigabit Port - 1 x Reset
Data rate	150 Mbps
LEDs status	- Power Status - LAN1/LAN2 (10/100Mbps) - WLAN (Wireless is ON) - 3 x Link Quality (Client Bridge mode)
Security	- WEP Encryption-64/128/152 bit - WPA/WPA2 Personal (WPA-PSK using TKIP or AES) - WPA/WPA2 Enterprise (WPA-EAP using TKIP) - 802.1x Authenticator - Hide SSID in beacons

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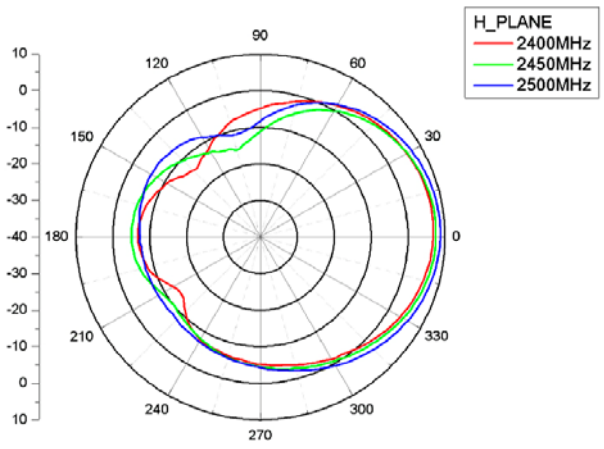
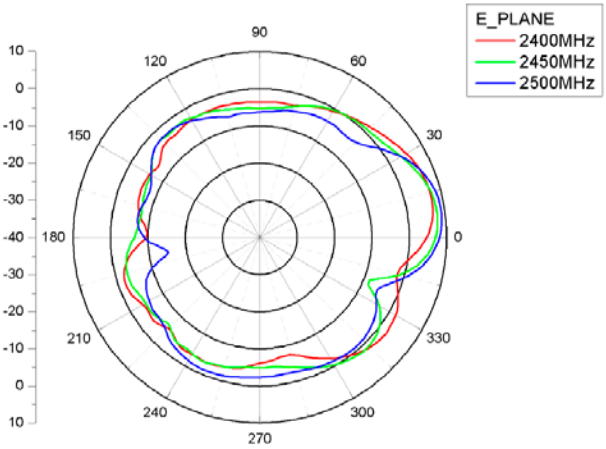
	- MAC address filtering, up to 50 field - Wireless STA (Client) connected list
Power Requirements	- Active Ethernet (Power over Ethernet) - Proprietary PoE design - Power Adapter 24VAC / 0.6A
Antenna	Internal Directional 10dBi
Antenna Radiation Pattern	
	 
Certification	FCC, CE, IC

RADIO FREQUENCY BAND		
Channel	**Tx Avg. Power Optimal (dBm**	**Rx Sensitivity Optimal (dBm)**
802.11b(2.412 ~ 2.472GHz)		
1Mbps	27	-97
2 Mbps	27	-95
5.5 Mbps	27	-92
11 Mbps	27	-89
802.11g(2.412 ~ 2.472GHz)		
6 Mbps	26	-96
9 Mbps	26	-93
12 Mbps	26	-89

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18 Mbps	26	-85
24 Mbps	25	-81
36 Mbps	24	-79
54 Mbps	22	-75
802.11n(2.412 ~ 2.472GHz)		
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

ENVIRONMENT AND MECHANICAL	
Temperature Range	Operating -20°C~70°C Storage -30°C to 80°C
Humidity (non-condensing)	0% ~ 90% typical
Waterproof	IP55

PACKAGE CONTENT
► Wireless Long Range 11N CB/AP(ENH200)
► PoE Injector (EPE-24R)
► Power Adaptor
► CD with User's Manual
► QIG
► Mounting Set
► Special screw set

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