

# ENH200

## Business Class Long Range, Wireless-N Outdoor Client Bridge/Access Point with Dual Antenna Polarity



### Key Differentiators

#### HIGH-POWER LONG RANGE COVERAGE

Maximum 500mW power output ensures robust signal, helping overcome long distance barriers

Provides superior Wi-Fi coverage compared to other brands

#### THREE TIMES AS FAST AS WIRELESS G DEVICE

Maximum wireless connection rate up to 150 Mbps

Backward compatible to wireless b, g

#### INTEGRATED DUAL POLARITY ANTENNA DESIGN

Selectable vertical or horizontal antenna polarity to avoid interference and maximize performance

#### DESIGNED FOR OUTDOOR DEPLOYMENT

IP55 waterproof housing to protect against rain, moisture

Cable accessory kit prevents rain and dew from getting into the device from cable connection

#### EASY TO DEPLOY

User friendly GUI configuration interface

Signal strength LED indicators

Installation kit included

### Ideal For:



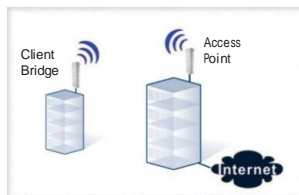
OUTDOOR WIFI  
OUTDOOR CPE



OUTDOOR WIRELESS  
IP SURVEILLANCE  
CAMERA



OUTDOOR WIRELESS  
SIGNAGE



POINT-TO-POINT  
WIRELESS LINK

## ENH200 – Technical Specifications

Specifications may change without notice.

### HARDWARE SPECIFICATIONS

MCU/RF	Atheros AR7240+9285
Memory	32MB SDRAM
Flash	8MB
Physical Interface	10/100 Fast Ethernet port x 2 Reset button x 1
LED Indicators	Power/ Status • LAN1/LAN2 (10/100Mbps) • WLAN (Wireless is up) 3 x Link Quality (Client Bridge mode) Green: Excellent Quality Yellow: Good Quality Red: Poor Quality
Power Requirements	Active Ethernet (Power over Ethernet) • Proprietary PoE design Power Adapter 24V / 1A
Regulation Certifications	FCC, CE, IC

### RF SPECIFICATIONS

Wireless standard	IEEE802.11 b/g/n		
Frequency Band	2.412 ~ 2.472 GHz (b/g/n)		
Modulation Technology	IEEE 802.11b: DQSSK, DQPSK, CCK IEEE 802.11g: BQSK, QPSK, 16-QAM, 64-QAM IEEE 802.11n: BQSK, QPSK, 16-QAM, 64-QAM		
Operating Channels	11 channels		
Receiver Sensitivity (Typical)	802.11b(2.412~2.472 GHz) -97 dBm @ 1Mbps -95 dBm @ 2Mbps -92 dBm @ 5.5Mbps -89 dBm @ 11Mbps	802.11g(2.412~2.472 GHz) -96 dBm @ 6Mbps -93 dBm @ 9Mbps -89 dBm @ 12Mbps -85 dBm @ 18Mbps -81 dBm @ 24Mbps -79 dBm @ 36Mbps -76 dBm @ 48Mbps -75 dBm @ 54Mbps	802.11n(2.412~2.472 GHz) -95 dBm @ MCS0/MCS8 -92 dBm @ MCS1/MCS9 -87 dBm @ MCS2/MCS10 -85 dBm @ MCS3/MCS11 -80 dBm @ MCS4/MCS12 -79 dBm @ MCS5/MCS13 -74 dBm @ MCS6/MCS14 -73 dBm @ MCS7/MCS15
Available transmit power (Average power)	802.11b(2.412~2.472 GHz) 27 dBm @ 1Mbps 27 dBm @ 2Mbps 27 dBm @ 5.5Mbps 27 dBm @ 11Mbps	802.11g(2.412~2.472 GHz) 26 dBm @ 6Mbps 26 dBm @ 9Mbps 26 dBm @ 12Mbps 26 dBm @ 18Mbps 25 dBm @ 24Mbps 24 dBm @ 36Mbps 23 dBm @ 48Mbps 22 dBm @ 54Mbps	802.11n(2.412~2.472 GHz) 26 dBm @ MCS0/MCS8 26 dBm @ MCS1/MCS9 26 dBm @ MCS2/MCS10 26 dBm @ MCS3/MCS11 24 dBm @ MCS4/MCS12 23 dBm @ MCS5/MCS13 22 dBm @ MCS6/MCS14 21 dBm @ MCS7/MCS15

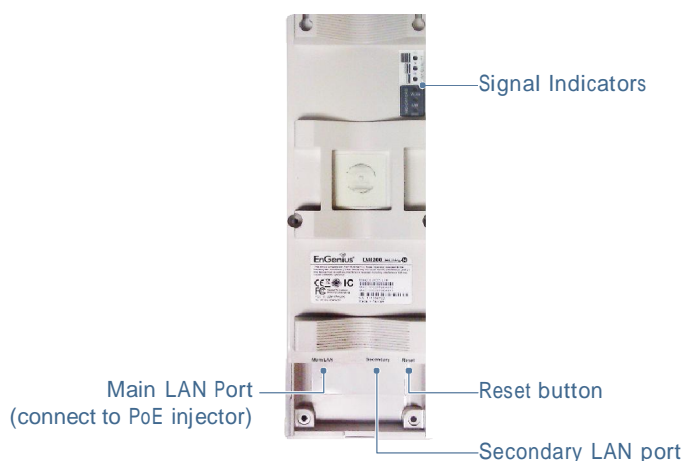
Internal Antenna x2	Antenna Specification	
	Gain	10dBi
	Radiation	Directional
	Frequency Band Range	2.4 ~ 2.5GHz
	Vertical Beamwidth	73°
	Horizontal Beamwidth	37°
	Antenna Polarity: Dual-Polarized; Vertical/Horizontal	

### SOFTWARE FEATURES

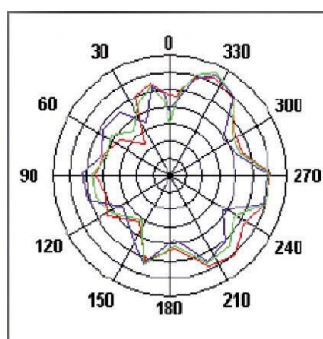
General	
Topology	Infrastructure
Protocol / Standard	IEEE802.3, 802.3U, 802.11 b/g/n (2.4 GHz)
Operation Mode	Client Bridge/Access Point/WDS bridge/Client Router
LAN	DHCP Server • DHCP Client
VPN	VPN - pass through in client router mode
Networking	PPPoE, PPTP in client router mode Bandwidth selection (selectable 5MHz/10MHz/20MHz/40MHz)
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 MAC address filtering, up to 50 field Wireless STA (Client) connected list
QoS	WMM (Wi-Fi Multimedia)
Management	
Firmware Upgrade	Upgrade firmware via web-browser • Keep latest setting when t/w update
Reset Setting	Reset to factory default & Backup current configuration, Ping & Trace Route
MIB	MIB: MIB I, MIB II(RFC1213), Private MIB
SNMP	SNMP: SNMP v1, v2c

### ENVIRONMENT & PHYSICAL

Temperature Range	Operating: -4°F to 158°F Storage: -22°F to 176°F
Humidity (non-condensing)	0%~90% typical
Dimensions	Length: 10.24" (260mm) x Width: 3.31" (84mm) x Height: 2.17" (55mm)
Weight	0.9 lb



Internal Antenna Pattern – Vertical  
2400MHz, 2450MHz, 2500MHz



Internal Antenna Pattern – Horizontal  
2400MHz, 2450MHz, 2500MHz

