

# ENH200EXT

## Business Class Outdoor Long Range Wireless N Access Point/Client/Bridge



### Key Differentiators

#### HIGH-POWER LONG RANGE COVERAGE

Maximum 500mW power output provides robust signal coverage that overcomes long distance barriers  
Provides superior Wi-Fi coverage over competitors

#### DESIGNED FOR OUTDOOR DEPLOYMENT

IP55 waterproof housing to guard against moisture and rain  
Cable accessory kit prevents rain and dew getting into the device from the cable connection

#### THREE TIMES THE SPEED OVER WIRELESS G DEVICE

Maximum wireless connection rate Up to 150 Mbps  
Backward compatible to IEEE802.11 b, g

#### EXTERNAL ANTENNA SMA CONNECTOR

Gives installer the flexibility of connecting to different antennas with various gains

#### SECURED NETWORK

Permits different levels of network access to broadcast multiple SSIDs from one device  
VLAN tagging allows different access levels

#### EASY TO DEPLOY

Built-in LED indicators to display signal strength  
Package includes pole mounting kit and PoE injector kit

### Ideal For:



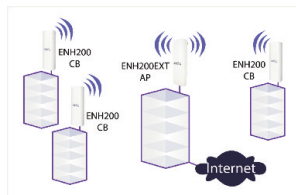
OUTDOOR WI-FI ACCESS POINT



OUTDOOR SECURITY CAMERA



OUTDOOR SIGNAGE



POINT-TO-MULTIPOINT COMMUNICATION



# ENH200EXT – Technical Specifications

Specifications may change without notice.

## HARDWARE SPECIFICATIONS

MCU/RF	Atheros AR7240
Memory	32 MB
Flash	8 MB
Physical Interface	10/100 Fast Ethernet port x 1 Reset button x 1
LED Indicators	Power Status LAN1 (10/100Mbps) WLAN (Wireless is up) 3 x Link Quality (Client Bridge mode)
Antenna	External SMA connector with additional SMA-N-type converter Antenna is not included
Power requirement	Active Ethernet (Power over Ethernet) Proprietary PoE design Power Adapter 24VAC / 0.6A

## RF SPECIFICATIONS

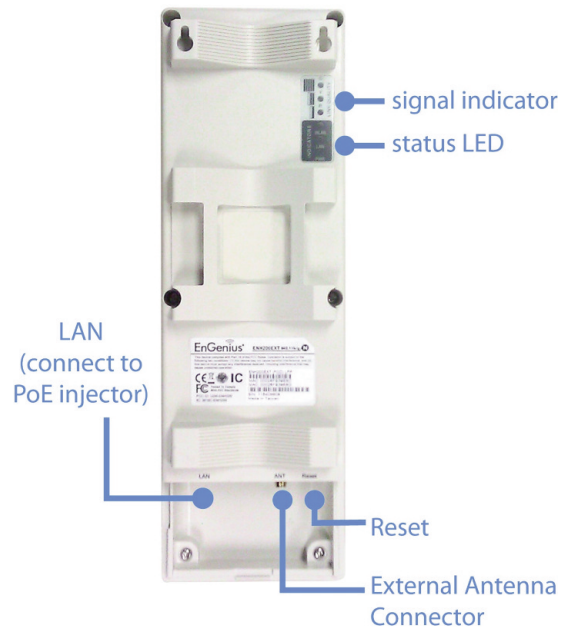
Wireless standard	IEEE802.11 b/g/n		
Frequency	2.412 ~ 2.472GH (b/g/n)		
Modulation Technology	IEEE 802.11b: DBQSK, DQPSK, CCK IEEE 802.11g: BQSK, QPSK, 16-QAM, 64-QAM IEEE 802.11n: BQSK, QPSK, 16-QAM, 64-QAM		
Operating Channels	11 channels		
Transmit Power	<b>802.11b(2.412 ~ 2.472GHz)</b>	<b>802.11g(2.412 ~ 2.472GHz)</b>	<b>802.11n(2.412 ~ 2.472GHz)</b>
	27 dBm @ 1Mbps 27 dBm @ 2Mbps 27 dBm @ 5.5Mbps 27 dBm @ 11Mbps	26 dBm @ 6Mbps 26 dBm @ 9Mbps 26 dBm @ 12Mbps 26 dBm @ 18Mbps 25 dBm @ 24Mbps 24 dBm @ 36Mbps 23 dBm @ 48Mbps 22 dBm @ 54Mbps	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
Receiver Sensitivity	<b>802.11b(2.412~2.472 GHz)</b>	<b>802.11g(2.412~2.472 GHz)</b>	<b>802.11n(2.412~2.472 GHz)</b>
	-97 dBm @ 1Mbps -95 dBm @ 2Mbps -92 dBm @ 5.5Mbps -89 dBm @ 11Mbps	-96 dBm @ 6Mbps -93 dBm @ 9Mbps -89 dBm @ 12Mbps -85 dBm @ 18Mbps -81 dBm @ 24Mbps -79 dBm @ 36Mbps -76 dBm @ 48Mbps -75 dBm @ 54Mbps	-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

## SOFTWARE SPECIFICATIONS

Topology	Infrastructure
Protocol / Standard	IEEE802.3, 802.3U, 802.11 b/g/n (2.4 GHz)
Operation Mode	Access Point/WDS/ Client Bridge/Client Router
LAN	DHCP server/client
VPN	VPN Pass-through
Networking	PPPoE, PPTP, DHCP client, spanning tree, Channel bandwidth
Security	WEP encryption – 64/128/152 bit WPA/WPA2 personal (WPA PSK uses TKIP or AES) WPA/WPA2 enterprise (WPA-EAP usesTKIP) 802.1x Authenticator Hide SSID in beacons MAC address filtering, up to 50 field Wireless STA (Client) connected list
Management	Interface: Web-based configuration Firmware upgrade via browser Administrator password change Reboot, reboot to factory default Configuration backup, configuration restore Ping & Trace Route, Remote management: MIB I, MIB II(RFC1213), Private MIB SNMP:v1, v2c Time setting: Manual; Auto: NTP

## ENVIRONMENT & PHYSICAL

Temperature Range	Operation: -4°F ~ 158°F (-20°C ~ 70°C) Storage: -22°F ~ 176°F (-30°C ~ 80°C)
Humidity (non-condensing)	0%~90% typical
Dimensions	Length: 10.24" (260mm) x Width: 3.31"(84mm) x Height:2.17"(55mm)
Weight	1.7 lb
Content of Package	One Wireless Access Point / Client Bridge (ENH200EXT), One 24V/0.6A Power Adapter, One PoE injector (EPE-24R), One Pole Mount Kit, One QIG, One CD ( with copy of User Manual on)



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