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

Antenna sold separately

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
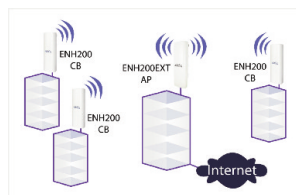
Ideal For:

OUTDOOR WI-FI ACCESS POINT

OUTDOOR SECURITY CAMERA

OUTDOOR SIGNAGE

POINT-TO-MULTIPOINT COMMUNICATION

ENH200EXT — *Technical Specifications*

Specifications may change without notice.

HARDWARE SPECIFICATIONS

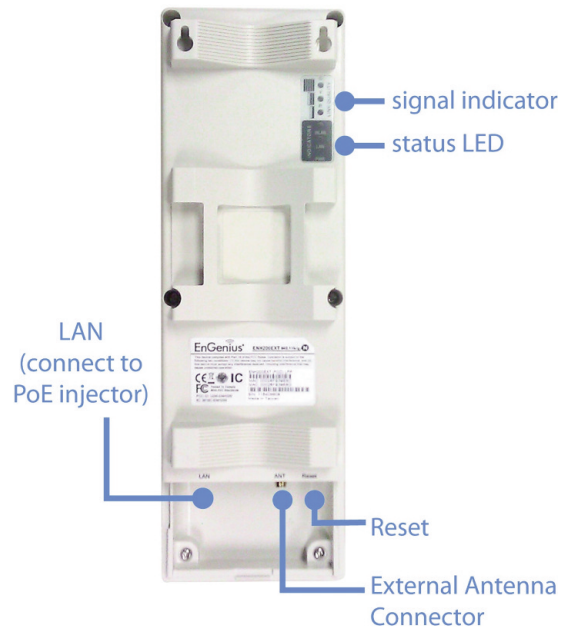|	
MCU/RF	Atheros AR7240
Memory	32 MB
Flash	8 MB
Physical Interface	10/100 Fast Ethernet port x 1 Reset button x 1
LED Indicators	Power Status LAN1 (10/100Mbps) WLAN (Wireless is up) 3 x Link Quality (Client Bridge mode)
Antenna	External SMA connector with additional SMA-N-type converter Antenna is not included Works with EnGenius EAG2408 omni directional antenna, or other antenna with N type female connector
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

	802.11b(2.412 ~ 2.472GHz)	802.11g(2.412 ~ 2.472GHz)	802.11n(2.412 ~ 2.472GHz)
Transmit Power	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	**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

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 retore 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)"

Ethernet port

External Antenna Connector   Reset

signal indicator

status LED

LAN (connect to PoE injector)

Reset

External Antenna Connector

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