

ENH210EXT

THE LEADER IN LONG RANGE BUSINESS CLASS WIRELESS DATA



Enterprise Outdoor Long-Range Wireless-N Access Point

The Enterprise-class ENH210EXT is a high-powered, long-range 2.4GHz Wireless-N Outdoor Access Point delivering data at up to 300Mbps. The ENH210EXT provides outdoor wireless network access for campus environments or for connecting other buildings to a company network. It's ideal for small-to-medium sized companies that wish to provide outdoor access to the company network to their employees or to provide network and/or Internet connectivity via a company's existing broadband connection. It's an ideal solution for expanded the reach of an existing network beyond the walls of a building.

Its high 800mW transmit power and high receive sensitivity make it a robust solution for extending company networks. The ENH210EXT has been engineered to withstand harsh outdoor conditions and has an IP rating of 67 and a UV coating to resist prolonged exposure to the sun. The AP also includes two Gigabit Ethernet ports, one for connecting back to the LAN network and the other for a connected device like a surveillance camera.

The ENH210EXT includes EnGenius Zone Controller Access Point Management software that provides a robust suite of tools for IT managers, installers and network administrators who deploy, manage and maintain wireless networks. With Zone Controller, EnGenius Wireless Indoor and Outdoor Access Points and Client Bridges can be configured, controlled and monitored from one central location.

Compatible with EnGenius' comprehensive family of versatile, long-range Indoor and Outdoor Wireless Access Points, Client Bridges, AP routers, Zone Controller is SNMP (v1 and v2) compliant and provides IT administrators with real-time information to ease the deployment, configuration and management of EnGenius wireless networking solutions in complex networking environments.

Unlike ordinary outdoor APs, the ENH210EXT can be used in a number of configurations and support connectivity to and from other outdoor client bridges (ENH210) in multiple-building campus deployments. The ENH210EXT also can provide wireless connectivity to 3 times as many roaming clients within its range of operation.

Key Differentiators

ENTERPRISE-CLASS OUTDOOR HIGH-POWER ACCESS POINTS

- Compliant with IEEE802.11n standard with data rate up to 300Mbps
- Designed for outdoor deployment with IP67 rated housing, surge protected cable connector
- Supports IEEE 802.3af/at PoE (Power-over-Ethernet) standards

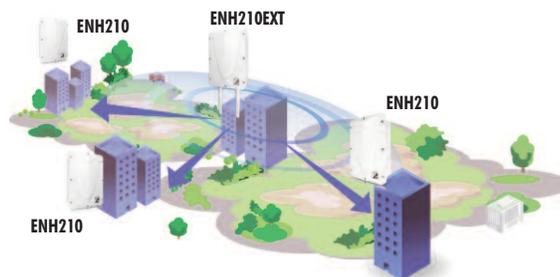
HIGH 800mW TRANSMIT POWER

- For longer range performance than ordinary outdoor APs
- Ideal for Point-to-Multipoint wireless deployments

INCLUDES ZONE CONTROLLER AP MANAGEMENT SOFTWARE

- Simplifies installation and deployment
- Easy-to-use Access Point remote configuration, management and monitoring tools

Ideal For:



POINT-TO-MULTIPOINT COMMUNICATION

MULTIPLE MODES & SSIDS

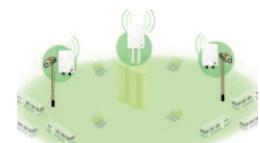
- AP mode provides network access to clients
- Transparent bridging between buildings with WDSAP – Station mode
- Creates campus-wide wireless networks when used with EnGenius ENH210/202 wireless client bridges
- Broadcasts 8 multiple SSID's that supports SSID-VLAN binding

SUPPORT LATEST SECURITY STANDARDS

- WPA/WPA2 Personal (WPA-PSK using TKIP or AES)
- WPA/WPA2 Enterprise (WPA-EAP using TKIP) 802.1x Authenticator

USER FRIENDLY PACKAGING

- Quick installation guide
- Includes two antennas with N-type connectors
- PoE kit includes PoE injector and power adapter
- Mounting kit includes pole mount strap, wall-mount plate with screws



OUTDOOR SECURITY CAMERA

EnGenius®

888.735.7888

www.engeniustech.com

ENH210EXT – Technical Specifications

Specifications may change without notice.

HARDWARE SPECIFICATIONS

MCU	Atheros AR7242
RF	Atheros AR9283
Memory	64 MB
Flash	16 MB
Physical Interface	10/100/1000 Gigabit Ethernet PoE (Power-over-Ethernet) port x 1 10/100/1000 Gigabit Ethernet port x 1 Reset button x 1
LED Indicators	Power Status LAN1 (10/100/1000Mbps) LAN2 (10/100/1000Mbps) WLAN (Wireless is enabled) 3x Link Quality (Client Bridge mode)
Antenna	External N-type connectors x 2; Omni Directional Antenna x 2
Power requirement	Active Ethernet (Power-over-Ethernet) IEEE 802.3af/at support Power Adapter 48V / 0.375A

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	802.11b(2.412 ~ 2.472GHz)	802.11g(2.412 ~ 2.472GHz)	802.11n(2.412 ~ 2.472GHz)
	29 dBm @ 1Mbps 29 dBm @ 2Mbps 29 dBm @ 5.5Mbps 29 dBm @ 11Mbps	29 dBm @ 6Mbps 29 dBm @ 9Mbps 29 dBm @ 12Mbps 29 dBm @ 18Mbps 27 dBm @ 24Mbps 27 dBm @ 36Mbps 26 dBm @ 48Mbps 25 dBm @ 54Mbps	29 dBm @ MCS0/MCS8 29 dBm @ MCS1/MCS9 29 dBm @ MCS2/MCS10 29 dBm @ MCS3/MCS11 29 dBm @ MCS4/MCS12 25 dBm @ MCS5/MCS13 24 dBm @ MCS6/MCS14 23 dBm @ MCS7/MCS15
Receiver Sensitivity	802.11b(2.412 ~ 2.472GHz)	802.11g(2.412 ~ 2.472GHz)	802.11n(2.412~2.472 GHz)
	-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, ad hoc (WDS bridge)
Protocol	IEEE802.11 b/g/n (2.4GHz) 802.3, 802.3u, 802.3ab, 802.1D
Operation Mode	Access Point / Client Bridge / Client Router / WDS
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 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 MAC address filtering, up to 50 fields Wireless STA (Client) connected list
Management	Interface: Web-based configuration Firmware upgrade via browser Administrator password changeable Reboot; Reboot to factory default System monitoring: Status in hand, statistics and event log Configuration backup, configuration restore Ping & Trace Route, Remote management: SNMP:v1, v2c; MIB 1, MIB II(RFC1213), Private MIB Time setting: Manual; Auto: NTP
Certifications	FCC 15B, FCC 15C, IC, CSA

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	12.2" (L) x 9.0" (W) x 4.21" (H)
Weight	3.00 lbs
Content of Package	ENH210EXT x 1 PoE Injector (EPE-48GR) Power Adaptor 5dBi Omni Antenna x 2 CD with User's Manual

