THE LEADER IN LONG RANGE BUSINESS CLASS WIRELESS DATA

ENH500

Business-Class, Long Range 5GHz 802.11n Bridge / Wireless Access Point



Key Differentiators

HIGH-POWER OUTPUT ENABLES LONG RANGE WIRELESS COVERAGE

Maximum 600mW Power output provides long range wireless signal coverage which provides superior wireless coverage over competitors

5GHZ FOR MINIMAL INTERFERENCE

A dedicated 5GHz 80211.n Wireless Bridge / AP to avoid interference from multiple 2.4GHz wireless signals

DESIGNED FOR OUTDOOR DEPLOYMENTS

IP55 waterproof housing and cable accessory kit protects against moisture, rain and dew

UP TO 300Mbps

Compliant with 802.11n standard for connection rate up to 300Mbps - 6x the speed of similar 802.11g devices and backward compatible to 11a

INTERNAL HIGH-GAIN 13dBi DIRECTIONAL ANTENNA

MULTIPLE SSIDS WITH VLAN BINDING

Permits different levels of network access when activating multiple SSID broadcasts. Individual SSIDs can be linked to existing VLANs to control user or department access

EASY TO DEPLOY

Includes signal strength LED indicators, pole mount and PoE injector kit

Ideal For:



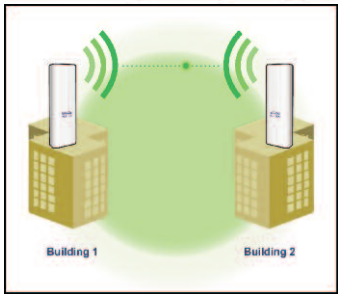
OUTDOOR WIFI
OUTDOOR CPE



OUTDOOR WIRELESS
IP SURVEILLANCE CAMERA



OUTDOOR WIRELESS
SIGNAGE



POINT-TO-POINT
COMMUNICATION

TARGET DISTRIBUTING

800.873.5528 | WWW.TARGETD.COM | TGSALES@TARGETDIST.COM

EnGenius

ETI—Brands that communicate™ 888.735.7888 www.engeniustech.com

ENH500 — Technical Specifications

Specifications may change without notice.

HARDWARE SPECIFICATIONS

MCU/RF	Atheros AR7240+Atheros AR9280
Memory	8 MB/32 MB (memory/Flash)
Physical Interface	10/100 Fast Ethernet port x 2 Reset button x 1
LED Indicators	Power/Status LAN (10/100Mbps) WLAN (Wireless connection)
Power Requirement	Active Ethernet (Power over Ethernet) Proprietary PoE design Power Adapter 24VAC / 0.6A

RF SPECIFICATIONS

Wireless standard	IEEE802.11 a/n	
Frequency	5.18GHz ~ 5.825GHz (a/n)	
Modulation Technologies	IEEE 802.11a: BQSK, QPSK, 16-QAM, 64-QAM IEEE 802.11n: BQSK, QPSK, 16-QAM, 64-QAM	
Operating Channels	24 channels	
Transmit Power	**802.11a (5.18 ~ 5.825GHz)** 28 dBm @ 6Mbps 28 dBm @ 9Mbps 28 dBm @ 12Mbps 28 dBm @ 18Mbps 28 dBm @ 24Mbps 26 dBm @ 36Mbps 24 dBm @ 48Mbps 23 dBm @ 54Mbps	**802.11n(5.18 ~ 5.825GHz)** 28 dBm @ MCS0/MCS8 28 dBm @ MCS1/MCS9 26 dBm @ MCS2/MCS10 26 dBm @ MCS3/MCS11 25 dBm @ MCS4/MCS12 24 dBm @ MCS5/MCS13 24 dBm @ MCS6/MCS14 23 dBm @ MCS7/MCS15
Receiver Sensitivity	**802.11a (5.18 ~ 5.825GHz)** -95 dBm @ 6Mbps -92 dBm @ 9Mbps -89 dBm @ 12Mbps -85 dBm @ 18Mbps -81 dBm @ 24Mbps -79 dBm @ 36Mbps -76 dBm @ 48Mbps -75 dBm @ 54Mbps	**802.11n(5.18 ~ 5.825GHz)** -94 dBm @ MCS0/MCS8 -92 dBm @ MCS1/MCS9 -88 dBm @ MCS2/MCS10 -85 dBm @ MCS3/MCS11 -80 dBm @ MCS4/MCS12 -79 dBm @ MCS5/MCS13 -74 dBm @ MCS6/MCS14 -73 dBm @ MCS7/MCS15
Antenna	Built-in 13dBi directional antenna ; Dual-polarity.	

CONTENT OF PACKAGE - WIRELESS LONG RANGE 11N CB/AP - ENH500

- PoE Injector (EPE-24R)
- Power Adaptor
- CD with User's Manual
- QIG
- Mounting kit
- Screw set

SOFTWARE SPECIFICATIONS

Topology	Infrastructure, ad-hoc
Protocol	IEEE802.3, 802.3u, 802.11 a/n (5 GHz)
Operation Mode	Access Point/Client Bridge/WDS bridge/WDS AP/WDS ST/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 fields Wireless STA (Client) connected list

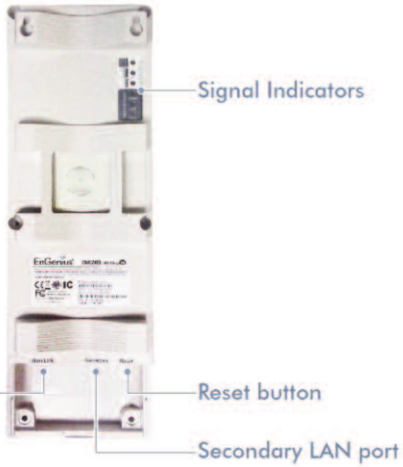
MANAGEMENT

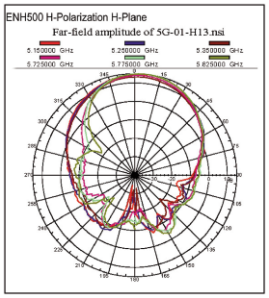
Configuration	Web-based configuration
Firmware Upgrade	Firmware upgrade via browser
Administrator Setting	Administrator password change
Reset Setting	Reboot; Reboot to factory default
SNMP	V1, V2c
MIB	MIB I, MIB II(RFC1213), Private MIB
Backup & Restore	Configuration backup, configuration restore
Diagnosis	Ping & Trace Route,
Time Setting	Manual; Auto: NTP

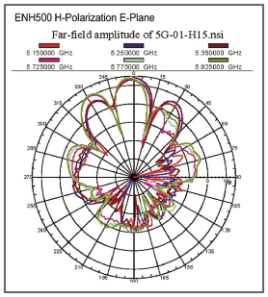
ENVIRONMENT & PHYSICAL

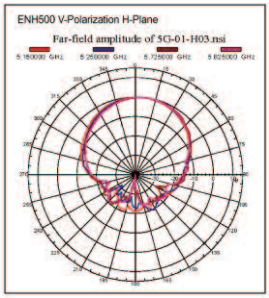
Temperature Range	Operation: -4°F ~ 158°F (-20°C ~ 70°C) Storage: -22°F ~176°F (-30°C ~ 80°C)
Humidity (non-condensing)	0%~90% typical
Dimensions	Length: 10.24" (260mm) Width : 3.31"(84mm) Height: 2.17"(55mm)
Weight	0.9 lb

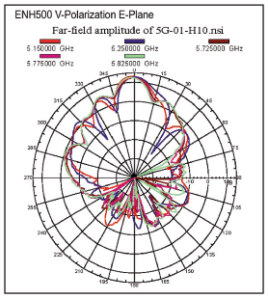












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