

# 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 802.11n 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



# 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 100-200 VAC, 24 VDC out / 1 Amp

## 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	<b>802.11a (5.18 ~ 5.825GHz)</b> 28 dBm @ 6Mbps 28 dBm @ 9Mbps 28 dBm @ 12Mbps 28 dBm @ 18Mbps 28 dBm @ 24Mbps 26 dBm @ 36Mbps 24 dBm @ 48Mbps 23 dBm @ 54Mbps	<b>802.11n(5.18 ~ 5.825GHz)</b> 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
	<b>802.11a (5.18 ~ 5.825GHz)</b> -95 dBm @ 6Mbps -92 dBm @ 9Mbps -89 dBm @ 12Mbps -85 dBm @ 18Mbps -81 dBm @ 24Mbps -79 dBm @ 36Mbps -76 dBm @ 48Mbps -75 dBm @ 54Mbps	<b>802.11n(5.18 ~ 5.825GHz)</b> -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

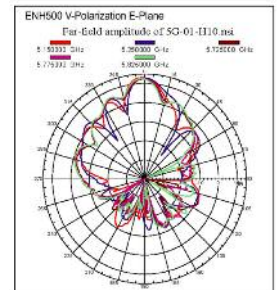
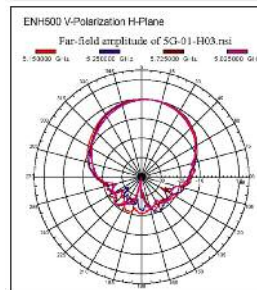
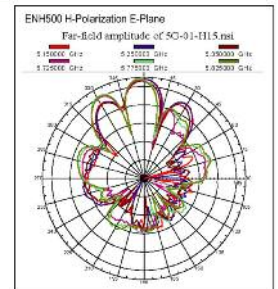
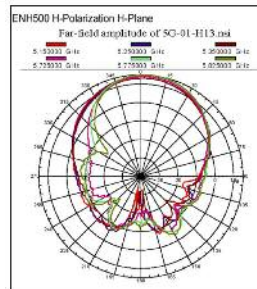


Signal Indicators

Main LAN Port (connect to PoE injector)

Reset button

Secondary LAN port



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