

ENS500

Long Range Wireless 11N Outdoor AP /CB

- 2T+2R
- 11a/n
- 300Mbps
- CB/AP/CR/WDS



PRODUCT OVERVIEW

ENS500, the high-efficient 10dBi directional antenna provides an optimum, extended real outdoor throughput performance via point to point transmission in long range distances. The good waterproof ability with compact, robust design can be diversely configured and operated in the extremely harsh outdoor environment. Its advanced multi-operation modes (CB, AP, CR, WDS AP, WDS Bridge and WDS Station) integrated with Network Management Software "EZ Controller" can offer variety uses in constructing scalable wireless network of all possible applications also allow centralized management via user-interface.

ENS500 built-in encryption standards (IEEE802.1x, WEP, WPA, WPA2, TKIP/AES for CB/CR modes) ensure full-scale security protection. Along with Proprietary PoE support excellent long-range network installation when used in conjunction with its outdoor family ENH700EXT.

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** All specifications are subject to change without notice

ENS500

^{*}Theoretical wireless signal rate based on IEEE standard of 802.11 b, g, n chipset used. Actual throughput may vary. Network conditions and environmental factors lower actual throughput rate.





FEATURES				
HARDWARE FEATURES				
High output power	Transmit high output power programmable for different country selections			
High Data Rate	High speed transmitting rate up to 300Mbps with 2T2R 802.11n			
Long range transmitting	Transmit power control and distance control (ACK timeout)			
Signal Strength Display	Indicate RF signal strength to be shown as LEDs of 3 colors, making network build- up easier. LED indicators have the best transmit and receive signal for traffic communication			
PoE Support	Support proprietary 24V passive power over Ethernet			
SOFTWARE				
Multiple SSID	4 SSID supported. Each SSID can set itself wireless or WAN access setting			
PPPoE	Point-to-Point Protocol over Ethernet at Client Router mode. This function will kee trying when failed or disconnected			
РРТР	Point-to-Point Tunneling Protocol (PPTP) is a method for implementing virtual private networks			
VLAN Pass-through	Support VLAN Pass-through			
WiFi Scheduling	User could set a schedule for turning-on/off WiFi Radio			
Firmware Upgrade	Upgrading firmware via web browser, setting are reserved after upgrade			
Reset & Backup	Reset to factory default. User can export all setting into a file via WEB			
Ping & Trace Route	Built-in PING function & Trace Route function in Web GUI			
MIB	MIB I, MIB II (RFC1213), Private MIB			
SNMP	V1, V2c, V3			

SPECIFICATIONS				
HARDWARE SPECIFICATIONS				
мси	Atheros AR9344			
RF	N/A			
Memory	64MB			
Flash	16MB			

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Physical Interface	2 x RJ-45 for 10/100 Fast Ethernet 1 x Reset Button				
Power Requirements	- Active Ethernet (Power over Ethernet) - Proprietary PoE design - Power Adapter 24V / 0.6A				
RF SPECIFICATIONS					
Frequency Band	802.11a/n				
Data rate	300Mbps				
Radio Frequency Band (The Max. Power may be	Channel	Data Rate	Tx Avg. Power (±2dBm)	Rx Sensitivity (±2dBm)	
different depending on local		6Mbps	26	-95	
-		9Mbps	26	-92	
regulations)		12Mbps	26	-89	
	802.11a (5.18 ~	18Mbps	26	-85	
	5.825GHz))	24Mbps	26	-81	
		36Mbps	25	-79	
		48Mbps	23	-76 	
		54Mbps	21	-75	
		MCS0 / MCS8	26	-95	
		MCS1 / MCS9	26	-93	
		MCS2 / MCS10	26	-90	
	802.1n (2.412 ~	MCS3 / MCS11	26	-87	
	2.472GHz)	MCS4 / MCS12	24	-84	
		MCS5 / MCS13	23	-79 	
		MCS6 / MCS14	22	-75	
		MCS7 / MCS15	21	-73	
	Internal 10dBi Directional Antenna				
	Gain	Gain		10	
Antenna	VSWR	VSWR		2.0 : 1	
	HPBW (H)		43°	39 °	
	HPBW (V)		71°	61°	
SOFTWARE SPECIFICATIONS					
Operation Mode	Access Point / Client Bridge / Client Router / WDS				
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Wireless/Network	Auto Channel Selection (Setting varies by Regular Domains) Obey Regulatory Power Distance Control (802.1x Ack timeout) CLI Supported 802.1x Supplicant (CB Mode) Multiple SSID (4 SSID), BSSID WDS AP / WDS Bridge / WDS Station Multicast Supported RADIUS Accounting VLAN Tag / VLAN Pass-through
	-
Security	WPA/WPA2 Personal (WPA-PSK using TKIP or AES) WPA/WPA2 Enterprise (WPA-EAP using TKIP) Hide SSID in beacons MAC address filtering, up to 50 field Wireless STA (Client) connected list
QoS	WMM

ENVIRONMENT AND MECHANICAL			
Temperature Range	Operating -20°C~70°C Storage -30°C to 80°C		
Humidity (non-condensing)	0%~90% typical		
Dimensions	186mm (L) x 100mm (W) x 29mm (H)		
Weight	300g		

PACKAGE CONTENT			
▶ 1 x ENS500			
▶ 1 x Power Adapter (24V/0.6A)			
► 1 x PoE Injector (EPE1212)			
► 1 x Pole Mount Set			
▶ 1 x Screw Set			
► 1 x Technical Support Card			

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