EnGenius®
Get Connected | Get EnGenius

ENS200

Long Range Wireless 11N Outdoor AP /CB

- 2.4 GHz
- 1T1R
- 11b/g/n
- 150Mbps

PRODUCT OVERVIEW

ENS200, the high-efficient 8dBi directional antenna provides an optimum, extended real outdoor throughput performance via point to point transmission in long range distances. The certified IP65 waterproof with compact, robust design can be diversely configured and operated in the extremely harsh outdoor environment. Its advanced multi-operation modes (AP, CB, CR, WDS AP/Bridge/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.

ENS200 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 ENH210EXT and ENH700EXT.

BUSINESS CLASS
ENS200

SOFTWARE FEATURES	
HARDWARE FEATURES	
High output power	Transmit high output power programmable for different country selections
High Data Rate	High speed transmitting rate up to 150Mbps with 1T1R 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
RSSI Indicator	Shown user every incoming RF signal strength measurement
PoE Support	Support proprietary 12V / 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 keep trying when failed or disconnected
PPTP	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	
MCU	Atheros AR7240
RF	Atheros AR9285
Memory	32MB

ENS200 Data sheet Version 151012

*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.
** All specifications are subject to change without notice

BUSINESS CLASS
ENS200

Learn more about EnGenius Solutions at http://www.engeniustech.com.au/

Flash	8MB
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	802.11b/g/n
Data rate	150 Mbps

Radio Frequency Band (The Max. Power may be different depending on local regulations)	Channel	Data Rate	Tx Avg. Power (±2dBm)	Rx Sensitivity (±2dBm)
	802.11b(2.412 ~ 2.472GHz)	1Mbps	26	-97
		2Mbps	26	-95
		5.5Mbps	26	-93
		11Mbps	26	-90
	802.11g(2.412 ~ 2.472GHz)	6Mbps	26	-96
		9Mbps	26	-92
		12Mbps	26	-89
		18Mbps	26	-85
		24Mbps	26	-82
		36Mbps	25	-80
		48Mbps	23	-78
		54Mbps	22	-75
	802.11n(2.412 ~ 2.472GHz)	MCS0 / MCS8	26	-95
		MCS1 / MCS9	26	-92
		MCS2 / MCS10	26	-87
		MCS3 / MCS11	26	-85
		MCS4 / MCS12	25	-80
		MCS5 / MCS13	24	-78
		MCS6 / MCS14	22	-74
		MCS7 / MCS15	21	-71

Antenna	Internal 8dBi Directional Antenna

HARDWARE SPECIFICATIONS

Operation Mode	Access Point / Client Bridge / Client Router / WDS
Security	WEP Encryption-64/128/152 bit 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

ENS200 Data sheet Version 151012

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.
*** All specifications are subject to change without notice*

BUSINESS CLASS
ENS200

Learn more about EnGenius Solutions at http://www.engeniustech.com.au/

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
	Auto Reboot
	WiFi Scheduling

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 ENS200
► 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

Contact

E-mail: service@engeniustech.com.au
1300 725 323
1/14 Wellington Street, ACACIA RIDGE QLD 4110 Australia
Check www.engeniustech.com.au for your contact information

BUSINESS CLASS
ENS200