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ENS202EXT

Long Range Wireless 11N Outdoor AP /CB

- 2.4 GHz
- 2T+2R
- 11b/g/n
- 300Mbps

PRODUCT OVERVIEW

ENS202EXT Wireless Outdoor unit provides not only external antenna connectors for antenna upgrade, but also high output power and high sensitivity can extend the transmission range to deliver a stable wireless connection. ENS202EXT integrates 4 operation modes: Access Point, Client Bridge, Client Router and WDS.

Advanced multi-function operation modes offer flexibility in constructing scalable wireless networks for all possible applications. ENS202EXT is designed to deliver reliable service under harsh outdoor environment with certified IP65 protection and tailored to accommodate multimedia streaming services with data-rate up to 300Mbps. Most importantly, it is built-in encryption standards (WEP, WPA, WPA2, TKIP/AES and IEEE802.1x) ensure maximum security and compatibility.

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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 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
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 AR9341
RF	N/A
Memory	64MB
Flash	16MB
Physical Interface	2 x RJ-45 for 10/100 Fast Ethernet 1 x Reset Button

ENS202EXT Data sheet Version 260313

*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

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Power Requirements	- Active Ethernet (Power over Ethernet) - Proprietary PoE design - Power Adapter 24V / 0.6A		
RF SPECIFICATIONS			
Available transmit power (ERIP)	19dBm		
Frequency Band	802.11b/g/n		
Data rate	300Mbps		

Radio Frequency Band	Channel	Data Rate	Rx Sensitivity (±2dBm)
	802.11b (2.412 ~ 2.472GHz)	1Mbps	-95
		2Mbps	-95
		5.5Mbps	-93
		11Mbps	-93
	802.11g (2.412 ~ 2.472GHz)	6Mbps	-95
		9Mbps	-93
		12Mbps	-93
		18Mbps	-93
		24Mbps	-92
		36Mbps	-80
		48Mbps	-77
		54Mbps	-75
	802.1n (2.412 ~ 2.472GHz	MCS0 / MCS8	-95
		MCS1 / MCS9	-93
		MCS2 / MCS10	-92
		MCS3 / MCS11	-90
		MCS4 / MCS12	-86
		MCS5 / MCS13	-83
		MCS6 / MCS14	-76
		MCS7 / MCS15	-73

Antenna	2 x 5dBi dipole antenna		
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
	Auto Reboot
	WiFi Scheduling
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

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

PACKAGE CONTENT
► 1 x ENS202EXT
► 2 x 2.4GHz 5dBi Omni Antenna
► 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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