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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

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

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Data rate	300Mbps			
Radio Frequency Band **(The Max. Power may be** **different depending on local** **regulations)**	Channel	Data Rate	Tx Avg. Power	Rx Sensitivity
	802.11b (2.412 ~ 2.472GHz)	1Mbps	15	-95
		2Mbps	15	-95
		5.5Mbps	15	-93
		11Mbps	15	-93
	802.11g (2.412 ~ 2.472GHz)	6Mbps		-95
		9Mbps	15	-93
		12Mbps	15	-93
		18Mbps	15	-93
		24Mbps	15	-92
		36Mbps	15	-80
		48Mbps	14	-77
		54Mbps	12	-75
	802.1n (2.412 ~ 2.472GHz	MCS0 / MCS8	15	-95
		MCS1 / MCS9	15	-93
		MCS2 / MCS10	15	-92
		MCS3 / MCS11	15	-90
		MCS4 / MCS12	14	-86
		MCS5 / MCS13	13	-83
		MCS6 / MCS14	12	-76
		MCS7 / MCS15	11	-73
Antenna	2 x 5dBi dipole antenna			

SOFTWARE SPECIFICATIONS	
Operation Mode	Access Point / Client Bridge / Client Router / WDS
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

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*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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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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