

ENH700EXT**802.11N Dual Radio Concurrent AP****2.4GHz/5GHz 600Mbps 802.11a/b/g/n Flexible Application****Package Contents**

- 1 x Dual Radio Concurrent AP (ENH700EXT)
- 1 x PoE injector with Power Adapter
- 1 x Wall Mounting kit
- 1 x 1.8m Grounding Cable
- 1 x CD with User's Manual
- 1 x QIG
- 2 x 2.4GHz N-type Omni Antenna
- 2 x 5GHz N-type Omni Antenna

ENH700EXT equips with two powerful independent RF interfaces which support 802.11a/n(2T2R) and 802.11b/g/n(2T2R). With certified IP-68 protection, it is designed to deliver high reliability under harsh outdoor environment.

Built-in advanced multi-functions provide flexibility in constructing scalable WiFi networks for all possible applications. With two individual interfaces, each can be configured into 3 different modes with maximum of 5 combinations. ENH700EXT offers bandwidth up to 300Mbps per radio to accommodate heavy traffic services such as multimedia streaming. Establishing backbone network using 802.11a/n ensures stability and reduces interference while 802.11b/g/n offers great compatibility to all wireless clients.

ENH700EXT provides wide-range of authentication and encryption standards (including WEP, WPA, WPA2, TKIP/AES and IEEE 802.1X) to enforce maximum security. Furthermore, friendly security management user interface reduces configuration complexity. ENH700EXT is a true carrier-grade product which is guaranteed to fulfill any business proposals.

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Features**Wireless**

- **Dual Radio** Two radio (a/n, radio1 and b/g/n, radio2) for independent application
- **High Data Rate** High speed physical transmitting rate 300Mbps per radio to support large payload
- **Multifunction** Dual AP / AP+CB / CB+AP / AP+WDS / WDS+AP
- **Signal Strength Display** 0% ~ 100% to show the signal condition for more convenient installation
- **QoS(WMM)** Enhance performance and density
- **BSSID** Basic Service Set ID
- **Multiple SSID** 4 BSSID supported. Primary(1st) BSSID for normal setting follow this router's main default setting for security setting. Each SSID can set itself wireless or WAN access setting.

Networking

- **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
- **VPN Pass Through**

Security

- **Rugged Security** WEP Encryption-64/128/152 bit, WPA/WPA2 Personal (WPA-PSK using TKIP or AES), WPA/WPA2 Enterprise (WPA-EAP using TKIP), 802.1x Authenticator, Hide SSID in beacons, MAC address filtering up to 50 field, L2 isolation(AP mode), Wireless STA (Client) connected list, Hidden SSID broadcast to prevent illegal connection
- **IP 68 Protection** it is designed to deliver best reliability under harsh outdoor environment. There is not any limitation on installing and setup.

Management

- **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
- **MIB** MIB I, MIB II(RFC1213) and private MIB
- **SNMP** V1, V2c

Specification**Hardware Specification**

Standard	IEEE 802.11 a/b/g/n
Memory	64MB
Flash	8MB
Physical Interface	1 x RJ-45 for 10/100/1000 Gigabit Ethernet

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	Reset Button in PoE Injector		
Power Requirements	<ul style="list-style-type: none"> - Active Ethernet (Power over Ethernet) - Proprietary PoE design - Power Adapter 48V / 0.8A 		
RF Specification			
Frequency Band	802.11a 5.15 ~ 5.35GHz, 5.47 ~ 5.725GHz, 5.725~5.825GHz 802.11b/g U.S., Europe and Japan product covering 2.400 to 2.484 GHz, programmable for different country regulations		
Data rate	300 Mbps per radio		
Receive Sensitivity (Typical)	802.11n (5GHz) -89dBm @ MCS0 -70dBm @ MCS7 -89dBm @ MCS8 -70dBm @ MCS15	802.11n (2.4GHz) -97dBm @ MCS0 -78dBm @ MCS7 -96dBm @ MCS8 -76dBm @ MCS15	
	802.11a -90dBm @ 6Mbps -72dBm @ 54Mbps	802.11g -96dBm @ 6Mbps -82dBm @ 54Mbps	802.11b -99dBm @ 1Mbps -93dBm @ 11Mbps
Available transmit power (The Max. Power may be different depending on local regulations)	802.11n (5GHz) (± 2dBm) 26dBm @ MCS0~2/MCS8~10 25dBm @ MCS3/MCS11 24dBm @ MCS4/MCS12 23dBm @ MCS5/MCS13 23dBm @ MCS6/MCS14 21dBm @ MCS7/MCS15	802.11n (2.4GHz) (± 2dBm) 26dBm @ MCS0~2/MCS8~10 26dBm @ MCS3/MCS11 25dBm @ MCS4/MCS12 24dBm @ MCS5/MCS13 22dBm @ MCS6/MCS14 21dBm @ MCS7/MCS15	
	802.11a (± 2dBm) 26dBm @ 6~24Mbps 25dBm @ 36Mbps 24dBm @ 48Mbps 23dBm @ 54Mbps	802.11g (± 2dBm) 26dBm @ 6~24Mbps 25dBm @ 36Mbps 24dBm @ 48Mbps 23dBm @ 54Mbps	802.11b (± 2dBm) 26dBm @ 1~11Mbps
Antenna	4 x N-type connector		
Software Specification			
Operation Mode	Access Point / Client Bridge / WDS for each radio		
Wireless	Auto Channel Selection (Setting varies by Regular Domains)		

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	Distance Control (802.1x Ack timeout) Narrow Bandwidth Selection Multiple SSID (4 SSID) VLAN Function WDS AP / WDS Bridge BSSID
Security	<ul style="list-style-type: none"> - WEP Encryption-64/128/152 bit - WPA/WPA2 Personal (WPA-PSK using TKIP or AES) - WPA/WPA2 Enterprise (WPA-EAP using TKIP) - 802.1x Authenticator - Hide SSID in beacons - MAC address filtering, up to 50 field - Wireless STA (Client) connected list
QoS	WMM
Management	
Configuration	Web-based configuration (HTTP)/Telnet
Firmware Upgrade	Upgrade firmware via web browser Fix latest setting parameter when firmware upgrading
Administrator Setting	Administrator password can be changed
System monitoring	Status in hand , useful statistic and Event log
Reset Setting	Reset to factory default and reboot
MIB	MIB I , MIB II and Private MIB
SNMP	V1 , V2c
Backup	Save all setting and condition to a file by web
Environment & Mechanical	
Temperature Range	Operating -20°C~70°C Storage -30°C to 80°C
Humidity (non-condensing)	0%~90% typical
Waterproof	IP68
Dimensions	245mm (L) x 200mm (W) x 75mm (H)
Weight	1450g