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ECB350
Long Range Multi-function Gigabit AP/CB

- 2.4 GHz
- 300Mbps
- 11b/g/n

PRODUCT OVERVIEW

ECB350 is a 300Mbps wireless-n multi-function gigabit AP/CB which offers unlimited coverage, strong penetration, secure network management and 802.3af PoE connection.

Gigabit Ethernet ensure the high speed of Ethernet. External 5dBi antenna provides extended and stable wireless connection. MSSID + VLAN make your data more secure and easy management. Standard PoE interoperable with 802.3af makes internet connection more flexible.

ECB350 designed with 8 operation modes, users can set different mode in different environments. It is a high-end model suitable for the usages of SOHO, Small offices, restaurants and etc.

SOFTWARE FEATURES		
SYSTEM REQUIREMENTS		
System	Windows Windows7, 98, ME, NT, XP, 2000. Mac OS X (10.7)	
Access method	Web Based (HTTP 1.0 / 1.1)	
Browser Compatibility	Microsoft IE 6.0 or above, Firefox 2.0 or above	
STATUS		
System Status	System Information	System Up Time, Device Name, Wireless MAC, LAN MAC, Country, Current Time, Firmware Version
	Current IP Setting	IP Address, Subnet Mack, Default Gateway, DHCP, DNS.
	Current Wireless Setting	Operation mode, Wireless Mode, Channel/ Frequency, L2 Isolation, MSSID Setting
Client List	List current associated clients. Show only authorized and associated clients	
System Log	Displays a list of events triggered	

ECB350 Data sheet Version 200312

*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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WIRELESS FUNCTIONAL LIST		
Operation mode		AP
		Router
		Client Router
		Client Bridge
		WDS AP
		WDS Bridge
		WDS Station
		Universal Repeater
WDS details		WDS Station algorithm
		WDS AP algorithm
		WDS bridge algorithm
802.11 mode options		b/g/n
Channel setting		Manual
		Auto / Best Channel Selection
Transfer rate setting		Auto and Manual
Multiple BSSID (Multi AP)		8 BSSID
		Each BSSID should has its own WiFi & security settings
WPS		Software only
Security	WEP	WEP(64/128bit)
	WPA/ WPA2	TKIP / AES
	MAC address filtering	MAC address filtering (WLAN, up to 32 field)
	L2 Isolation	Client isolation
	802.1x Authenticator	MD5/ TLS/ TTLS, PEAP (Nice to Have)
	802.1x Supplicant	Only CB/CR modes
LAN Settings		IP (check validity and DHCP server IP range)
DHCP server		DHCP Range, Lease Time, Client list
VLAN	MSSID	VLAN tag on MSSID
	Management VLAN Ethernet Port VID	Only allow user with specified VID to access the device
	Tag/ Untag Option	Independent VLAN setting can be enable or disable
	Add VLAN tag	Any packet that enters the Device without a VLAN tag will have a VLAN tag inserted with a PVID (Ethernet Port VID)
	VLAN Pass Through	VLAN Pass Through over WDS Bridge

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SNMP	SNMP V1/V2C	- SNMP Active : Disabled / Enabled
	MIBI, MIBII	- Read Community
		- Set Community
		- System Location
		- System Contract
		- Trap Manager IP
Administration		User Name: admin
		Password: admin
Backup/ Restore Setting		Save Current Setting
		Restore Saved Setting
		Reset to Factory Default
Firmware Upgrade		Firmware Upgrade
		Allow User to decide to Keep current setting or reset to default.
UPnP		Supported
QoS		WM
Advanced Management		Auto Reboot
		CLI
		NMS (EZ Controller)
		Traffic shaping (by Radio)
Multicast		Supported
Authentication		RADIUS accounting Supported

TECHNICAL SPECIFICATIONS			
HARDWARE SPECIFICATIONS			
MCU	AR7242+AR9283		
Memory	32MB		
Flash	8MB		
Diameter * Height	135(L) x 105 (W) x 30(H)		
Physical Interface	LAN: 1 x 10/100/1000 Ethernet RJ-45 (802.3af PoE standard supported)		
	Reset button		
	Power Jack		
LED Definition	Power x1	Green	Booting: Blink at 1HBooting System Ready: On Firmware Upgrade: Blink at 4Hz System Off: Power Off

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	WLAN x1	Green	Link: Solid Light / Active: Blinking (Receiving/ Transmitting data)
	LAN x1	Green	Link: Solid Light / Active: Blinking (Receiving/ Transmitting data)
Adapter	12V / 1A		

WIRELESS SPECIFICATIONS

Frequency Band	2.400～2.484 GHz(11b, 11g, 11n)
Modulation Technology	OFDM: BPSK, QPSK, 16-QAM, 64-QAM DBPSK, DQPSK, CCK
Operating Channels	11 for North America, 14 for Japan, 13 for Europe
Wireless Setting	Operation Mode – AP / Router/WDS AP/WDS Bridge/WDS Station/Client Bridge/Client Router/ Universal Repeater. Wireless Mode – 11b/ 11g /11n Channel Selection (Setting varies by Country) Channel Bandwidth (Auto, 20Mhz, 40Mhz) Transmission Rate (AP mode) - 11n only, 11b/g/n mix ,11b only ,11g only, 11b/g mix.
Receive Sensitivity (Typical)	2.412 ~ 2.472 GHz (11b) best ≦ -90 dBm 2.412 ~ 2.472 GHz (11g) best ≦ -88 dBm 2.412 ~ 2.472 GHz (11n) best ≦ -85 dBm
Available transmit power (ERIP)	19dBm
Antenna	External 5dBi SMA antenna

ENVIRONMENT AND MECHANICAL

Temperature Range	0 to 50°C - Operating, -20 to 6 0 °C - Storage
Humidity (non-condensing)	90% or less – Operating, 90% or less - Storage
Certification	FCC/CE/IC

PACKAGE CONTENT

► ECB350

► Power Adapter (12V/1A)

► CD with User's Manual

► QIG

► Ethernet cable

► 2 * Detachable Antenna

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