

ECB300

Long Range Multi-function AP/CB

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

PRODUCT OVERVIEW



ECB300 is a 300Mbps wireless-n multi-function AP/CB which offers unlimited coverage, strong penetration, secure network management and 802.3af PoE connection.

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.

ECB300 designed with 6 operation modes, users can set different mode in different environments. It is a multi-function 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 Mask, 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	

ECB300 Data sheet Version 210312

*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

ECB300

WIRELESS FUNCTIONAL LIST		
Operation mode	AP	
	Router	
	Client Bridge	
	WDS AP	
	WDS Bridge	
	Universal Repeater	
WDS details	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	
Output Power Control	Select by dBm	
Multiple BSSID (Multi AP)	4 BSSID for 2.4Ghz	
	Each BSSID should has its own WiFi & security settings	
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
	Tag/ Untag Option	Independent VLAN setting can be enable or disable
SNMP	SNMP V1/V2C	- SNMP Active : Disabled / Enabled
	MIBI, MIBII	- Read Community
	Private MIB	- 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
QoS	WMM
Advanced Management	Scheduling Reboot
	CLI
	NMS (EZ Controller)
Multicast	Supported

TECHNICAL SPECIFICATIONS			
HARDWARE SPECIFICATIONS			
MCU	RTL8196C+RTL8192CE		
Memory	32MB		
Flash	4MB		
Diameter * Height	135(L) x 105 (W) x 30(H)		
Physical Interface	LAN: 1 x 10/100 Fast Ethernet RJ-45 (802.3af PoE standard supported)		
	Reset button		
	Power Jack		
LED Definition	Power x1	Green	Booting: Blink at 1H Booting System Ready: On Firmware Upgrade: Blink at 4Hz System Off: Power Off
	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 \leq -90 dBm 2.412 ~ 2.472 GHz (11g) best \leq -88 dBm 2.412 ~ 2.472 GHz (11n) best \leq -85 dBm
Available transmit power (ERIP)	19dBm
Antenna	External 5dBi SMA antenna

ENVIRONMENT AND MECHANICAL	
Temperature Range	0 to 50°C - Operating, -20 to 60 °C - Storage
Humidity (non-condensing)	90% or less – Operating, 90% or less - Storage
Certification	FCC/CE/IC

PACKAGE CONTENT	
▶ ECB300	
▶ Power Adapter (12V/1A)	
▶ CD with User's Manual	
▶ QIG	
▶ Ethernet cable	
▶ 2 * Detachable Antenna	