ECB600

Dual Band Long Range Multi-Function Access Point/Client Bridge

- 2.4 GHz + 5GHz
- 300+300Mbps
- AP/CB/WDS/Repeater

PRODUCT OVERVIEW

ECB600 is a wireless-11n 600Mbps (300Mbps + 300Mbps) Dual Band concurrent Access Point/ Client Bridge. It allows simultaneous operation of 2.4GHz and 5GHz wireless network. With media-optimized performance, you can enjoy internet surfing more smoothly and with less lag.

MSSID + VLAN make your data more secure and easy management. Standard PoE interoperable with 802.3af/at makes internet connection more flexible.

ECB600 designed with 4 detachable high gain antennas which deliver larger coverage and higher throughput in the environment. Elegant body and white outlook will upgrade aesthetic feeling on your desk in working environment. ECB600 is the best choice in business office.

EnGenius®
Get Connected | Get EnGenius

Datasheet
ECB600

SOFTWARE FEATURES		
SYSTEM REQUIREMENT		
System	Windows7, 98, ME, NT, XP, 2000. Mac OS X (10.4)	
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	
Wireless Functional List		
Operation mode	AP	
	CB	
	WDS	
	Repeater	
WDS detail	WDS AP	
	WDS bridge	
	WDS station	
802.11 mode options	a/b/g/n	
Band Steering	Band steering steers 5GHz-compatible clients to 5GHz band and leave 2.4 GHz band for single band (2.4GHz) client using.	
Channel setting	Manual	
	Auto / Best Channel Selection	
Transfer rate setting	Auto and Manual	
Multiple BSSID (Multi AP)	8 BSSID for 2.4Ghz , another 8BSSID for 5Ghz	
	Each BSSID should has its own WiFi & security settings	

WPS		Software only
Security	WEP	WEP (64/128bit)
	WPA/WPA2-PSK	TKIP/AES
	MAC address filtering	MAC address filtering (WLAN, up to 50 fields)
	Support EAP	EAP-TLS
		EAP-TLS/MSCHAPv2
		PEAPv0/EAP-MSCHAPv2
		PEAPv1/EAP-GTC
		EAP-SIM
		EAP-AKA
	802.1x Authenticator	MD5/TLS/TTLS/PEAP
	Hidden ESSID	Supported
	MAC Address	MAC Address filtering (WLAN, up to 50 fields)
	L2 Isolation	Supported
LAN Settings		IP (check vadility)
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
SNMP	SNMP V1/V2C	SNMP Active : Disabled/Enabled
	MIBI, MIBII	SNMP Version : V1/V2c/ALL
	Private MIB	Read Community Set Community System Location System Contract Trap Active :Disabled/Enabled
QoS		WMM (Default)

	Load Balance Per SSID		
Administration	User Name (set as "admin", can be changed by user)		
	Password s(et as "admin", can be changed by user)		
Backup/Restore Setting	Save current setting Restore Saved Setting Reset to Factory Default		
Firmware Upgrage	Supported		
UPnP	Supported		
Advanced Management	Auto Reboot		
	CLI		
	NMS (EZ Controller) supported		
HARDWARE SPECIFICATIONS			
MCU	AR9344 + AR9382		
Memory/Flash	64MB/16MB		
Dimension	189 x 140 x 26 mm		
Physical Interface	LAN : 1x10/100/1000 Gigabit Ethernet (802.3at PoE standard supported)		
	Reset		
	Power Jack		
	Power on/off switch		
LED Definition	Power x 1	Orange	Booting : Blink at 1Hbooting System Ready : ON Firmware Upgrade : Blink at 4HZ System Off : Power Off
	LAN x1	Blue	Link : Solid Light / Active Blinking (Receiving/Transmitting Data)
	WLAN x2	2.4G Blue 5G Blue	Link : Solid Light/Active Blinking (Receiving/Transmitting data)
Adapter	12V/2A		

EnGenius®
Get Connected | Get EnGenius

Datasheet
ECB600

SPECIFICATIONS		
WIRELESS SPECIFICATIONS		
Frequency Band	Radio I: 11b/g/n : 2.412~2.484 GHz Radio II: 11a/n :5.18 ~ 5.24 & 5.26 ~ 5.32 & 5.5 ~ 5.7 & 5.745 ~ 5.825 GHz	
Modulation Technology	OFDM: BPSK, QPSK, 16-QAM, 64-QAM DBPSK, DQPSK, CCK	
Operating Channels	2.4G (11 for North America, 14 for Japan, 13 for Europe) 5G (TBD)depend on what region	
Wireless Setting	Operation Mode – AP / CB/ WDS / Repeater Wireless Mode – 11a/ 11b/ 11g /11n Channel Selection (Setting varies by Country) Channel Bandwidth (Auto, 20Mhz, 40Mhz) Transmission Rate – 2.4GHz: 11n only ,11b/g/n mix ,11b only ,11b/g, 11g only 5GHz: 11n only mode, 11a/n mix mode, 11a only mode	
Receive Sensitivity (Typical)	**802.11b** -99dBm @ 1Mbps -93dBm @ 11Mbps **802.11g** -96dBm @ 6Mbps -82dBm @ 54Mbps **802.11n (2.4GHz)** -97dBm @ MCS0 -78dBm @ MCS7 -96dBm @ MCS8 -76dBm @ MCS15	**802.11a** -90dBm @ 6Mbps -72dBm @ 54Mbps **802.11n (5GHz)** -89dBm @ MCS0 -70dBm @ MCS7 -89dBm @ MCS8 -70dBm @ MCS15
Available transmit power (ERIP)	19dBm	
Antenna	External Omni Detachable Antenna (2.4GHz *2/ 5GHz *2)	

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

EnGenius®
Get Connected | Get EnGenius

Datasheet
ECB600

CERTIFICATION	
FCC	Certified
CE	Certified
IC	Certified

PACKAGE CONTENT
► 1 x ECB600
► 1 x Power Adapter
► 1 x QIG
► 1 x CD (User's Manual)
► 1 x Ethernet Cable
► 1 x Wall Mount Kit
► 4 x Detachable Antennas