ECB3500

Business Class
Long Range 802.11g Wireless
Access Point/Client Bridge

Key Differentiators

HIGH 600MW WIRELESS POWER

Ensures robust signal to overcome long distances

Offers superior WiFi coverage than leading brands

MULTI-FUNCTIONAL DEVICE

Offers multi operation modes for different network topologies

7 Modes: Access Point/Client Bridge/Repeater/Router/Client Router/WDS

Flexible solution for various wireless applications

MULTIPLE WIRELESS NAMES (AP MODE)

Broadcasts multiple SSID's in one device

Permits different levels of network access (VLAN Tagging)

DUAL HIGH GAIN DETACHABLE ANTENNA DESIGN

Features Antenna Diversity technology to enhance wireless traffic

5dBi antenna for wireless power up to 2000mW EIRP

Upgradeable antenna to increase range and receive sensitivity

INTELLIGENT QUALITY OF SERVICE (QOS) TECHNOLOGY

Facilitates bandwidth priority for VoIP, video streaming, online gaming

POWER-OVER-ETHERNET (802.3AF) CAPABLE

Power and data over one single cable for convenient installation

SUPERG 108MBPS SUPPORT

Enables high transfer speed ideal for large data payloads (with SuperG Client)

Ideal For:

CLIENT BRIDGE

AP — Client Bridge — PC

ACCESS POINT

PC — Access Point — Notebook

UNIVERSAL REPEATER

Wireless Router — Universal Repeater — Notebook

ROUTER

Notebook — Router — ADSL/Cable Modem — Internet — PC

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ECB3500 — *Technical Specifications*

Specifications may change without notice.

HARDWARE SPECIFICATION

MCU	Atheros AR2316, 180MHz
Memory	32MB SDRAM
Flash	8MB
Physical Interface	LAN: One 10/100 Fast Ethernet RJ-45 Reset Button Power Jack
LED's Status	Power/ Status LAN (10/100Mbps) WLAN (Wireless Connection)
Power Requirements	Power Supply: 90 to 240 VDC ± 10%, 50/60 Hz (depends on different countries) Active Ethernet (Power over Ethernet, IEEE802.3af)- 48 VDC/0.375A Device: 12V/1A
Regulation Certifications	FCC Part 15, CE

RF SPECIFICATION

Frequency Band	2.400–2.484 GHz
Media Access Protocol	Carrier sense multiple access with collision avoidance (CSMA/CA)
Modulation Technology	OFDM: BPSK, QPSK, 16-QAM, 64-QAM DBPSK, DQPSK, CCK
Operation Channels	11 for North America

Receive Sensitivity (Typical)	IEEE 802.11g
	    6Mbps@ -92dBm • 54Mbps@ -74dBm
	IEEE 802.11b
	    1Mbps@ -97dBm • 11Mbps@ -89dBm

Available transmit power	IEEE 802.11g
	    26dBm@6~24 Mbps
	    25dBm@36 Mbps
	    23dBm@48 Mbps
	    22dBm@54 Mbps
	IEEE 802.11b
	    27dBm@1~11Mbps

Antenna *2	Detachable omni antenna TNC type; Peak Gain=5dBi (Reverse)

SOFTWARE FEATURES

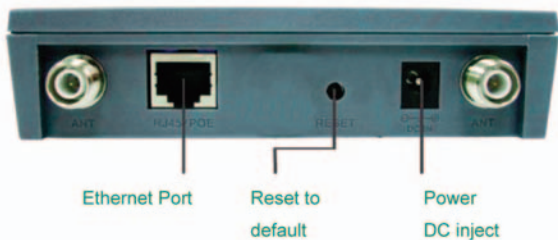|	
Topology	Infrastructure
Operation Mode	Client Bridge/Access Point/WDS AP/WDS Bridge/ Client Router/AP Router/Universal Repeater
LAN	DHCP Server DHCP Client
WAN (Client Router/AP Router mode)	PPPoE
Router	NAT/NAPT
VPN	VPN pass-through (PPTP, L2TP, IPSEC)
Wireless	Wireless Mode –11b/11g/Super G Channel Selection (Setting varies by Country) Transmission Rate 11b/g: 108, 54, 48, 36, 24, 18, 12, 11, 9, 6, 5.5, 2, 1 in Mbps Transmit output power control Signal Strength
Security	WEP Encryption-64/128/152 bit WPA Personal (WPA-PSK using TKIP or AES) WPA Enterprise (WPA-EAP using TKIP) 802.1x Authenticator (AP mode) 802.1x Supplicant-TTLS (CB mode) Hide SSID in beacons Multiple SSID with 802.1q VLAN tagging (up to 4 SSIDs)(AP mode) MAC Filter (AP mode) L2 isolation (AP mode) Wireless STA (Client) connected list Lock to AP MAC (CB mode)
QoS	WMM

MANAGEMENT

Configuration	Web-based configuration (HTTP)/Telnet
Firmware Upgrade	Upgrade firmware via web-browser Keep latest setting when f/w update
Administrator Setting	Administrator password change
Reset Setting	Reboot (press 1second) • Reset to Factory Default (press 5 second)
System monitoring	Status, Statistics and Event Log
SNMP	v1, v2c
MIB	MIB I, MIB II
Backup & Restore	Settings through Web

ENVIRONMENT & PHYSICAL

Temperature Range	Operating: 0°C to 45°C (32°F to 113°F) Storage: -20°C to 70°C (-4°F to 158°F)
Humidity (non-condensing)	5% ~ 95% typical
Dimensions	L: 4.92" (125mm) x W: 4.25" (108mm) x H: 1.22" (31mm)
Weight	0.77 lb. (350g)

Rear Panel (Interface)

Ethernet Port   Reset to default   Power DC inject

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