

EOC-2610

Business Class 802.11g Outdoor Client Bridge/Access Point



Key Differentiators

HIGH 600MW WIRELESS POWER

Ensures robust signal to overcome long distances
Offers superior WiFi coverage than leading brands

SIGNAL STRENGTH LED INDICATOR

Allows network installer for easy deployment

DUAL ANTENNA DESIGN

Embedded 10dBi panel antenna with external connector for optional omni antenna
Perfect for both Point-to-Point and Point-to-MultiPoint applications

POWER-OVER-ETHERNET (24V POE) CAPABLE

Less heat dissipation to ensure reliable performance
Capable of 300 feet PoE cable length
Power Injector Included

SUPERG 108MBPS SUPPORT

Enables high transfer speed ideal for multimedia applications (with SuperG Client)

Ideal For:



OUTDOOR CPE

WIRELESS INTERNET
SERVICE PROVIDES

OUTDOOR WIFI:

COLLEGE CAMPUS

BUSINESS PARKS

SMALL TOWNS &
RURAL AREAS

"HOT SPOTS"

MARINAS

BUILDING TO
BUILDING (PtP)



EOC-2610 – Technical Specifications

Specifications may change without notice.

HARDWARE SPECIFICATIONS

MCU/RF	Atheros AR2316 Single chip
Memory	32MB SDRAM
Flash	8MB
Physical Interface	One 10/100 Fast Ethernet RJ-45 • Reset Button • One RP-SMA Connector • One switch (external and internal antenna switching)
LED Indicators	Power/ Status • LAN (10/100Mbps) • WLAN (Wireless is up) • 3 x Link Quality (Client Bridge mode) Green: Excellent Quality Yellow: Good Quality Red: Poor Quality
Power Requirements	Active Ethernet (Power over Ethernet) Proprietary PoE design • Power Adapter 24 V/0.6A DC
Regulation Certifications	FCC Part 15C/15B, EN 300 328/EN 301 489-1/-17, EN60950

RF SPECIFICATIONS

Frequency Band	802.11b/g: 2.412~2.472GHz	
Modulation Technology	OFDM = BPSK, QPSK, 16-QAM, 64-QAM DSSS = DBPSK, DQPSK, CCK	
Operating Channels	802.11b/g 11 for North America	
Receive Sensitivity (Typical)	802.11g -92 dBm @ 6Mbps -74 dBm @ 54Mbps	802.11b -97 dBm @ 1Mbps -89 dBm @ 11Mbps
Available transmit power (Average power)	FCC	
	Frequency	Power
	2.412~2.462 GHz IEEE 802.11g	28dBm@6~24Mbps 26dBm@36Mbps 24dBm@48Mbps 23dBm@54Mbps
	2.412~2.462 GHz IEEE 802.11b	28dBm@1~11Mbps
Internal Antenna	Antenna Specification	
	Gain	10dBi
	Radiation	Directional
	Frequency Band Range	2.4 - 2.5GHz
	Horizontal -3dB Bandwidth	70°
External Antenna	Vertical -3dB Bandwidth	35°
	1* RP-SMA Female connector	

SOFTWARE FEATURES

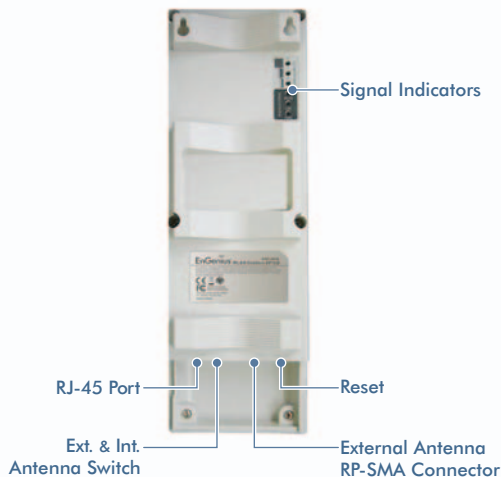
General	
Topology	Infrastructure
Protocol / Standard	IEEE 802.3 (Ethernet) IEEE 802.3u (Fast Ethernet) IEEE 802.11b/g (2.4GHz WLAN)
Operation Mode	802.11 b/g: Access Point, Client Bridge, Client Router
LAN	DHCP Client
VPN	VPN - pass through
Wireless	Channel Selection (Setting varies by countries)
	Transmission Rate 11 b/g: 54, 48, 36, 24, 18, 12, 11, 9, 6, 5.5, 2, 1 Mbps Super G : 108 Mbps
	Long distance transmission : 1km to 30km
	Transmit power table Signal Strength indication using LEDs PPPoE(CR mode)
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 Wireless STA (Client) connected list
QoS	WMM (Phase2)

Management

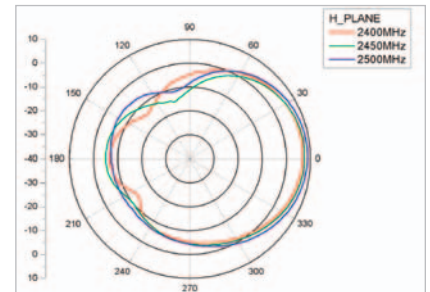
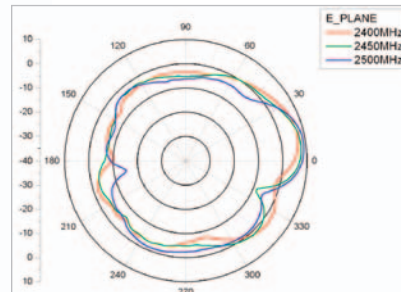
Configuration	Web-based configuration (HTTP)
Firmware Upgrade	Upgrade firmware via web-browser Keep latest setting when f/w update
Administrator Setting	Administrator password change
Reset Setting	Reboot (press 1 second) Reset to Factory Default (press more than 5 seconds)
System monitoring	Status, Event Log
SNMP	V1, V2c (Phase2)
MIB	MIB I, MIB II (RFC1213) and Private MIB (Phase2)
Backup & Restore	Settings through Web
Time setting	NTP (Auto-setting of time) • Time setting manually

ENVIRONMENT & PHYSICAL

Temperature Range	Operating: -20°C to 70°C (-4°F to 158°F) Storage: -30°C to 80°C (-22°F to 176°F)
Humidity (non-condensing)	5%~90% typical
Dimensions	Length: 10.24" (260mm) x Width: 3.31" (84mm) x Height: 2.17" (55mm)
Weight	0.66 lb. (300g)



Internal Antenna Pattern



EnGenius Technologies

1580 Scenic Avenue
Costa Mesa, CA 92626, USA
888.735.7888

