

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 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: Good Quality Yellow: Marginally Acceptable Quality Red: Bad Quality
Power Requirements	Active Ethernet (Power over Ethernet) Proprietary PoE design • Power Adapter 24 V/0.8A DC
Regulation Certifications	FCC Part 15C/15B, EN 300 328/EN 301 489-1/-17

RF SPECIFICATIONS

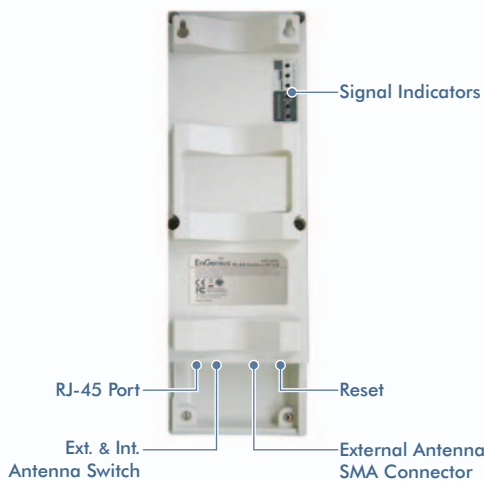
Frequency Band	802.11b/g 2.412~2.472GHz	
Modulation Technology	OFDM = BPSK, QPSK, 16-QAM, 64-QAM DSSS = DBPSK, DQPSK, CCK	
Operating Channels	802.11b/g/11 for North America	
Receive Sensitivity (Typical)	802.11g -92 dBm @ 6Mbps -74 dBm @ 54Mbps	802.11b -97 dBm @ 1Mbps -89 dBm @ 11Mbps
Available transmit power (Average power)	FCC	
	Frequency	Power
	2.412~2.462 GHz IEEE 802.11g	26dBm@6~24Mbps 25dBm@36Mbps 23dBm@48Mbps 22dBm@54Mbps
	2.412~2.462 GHz IEEE 802.11b	27dBm@1~11Mbps
	Tolerance	± 1 dBm
Internal Antenna	Embedded 10dBi Panel antenna	
External Antenna	1* SMA 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 802.1Q VLAN • MAC address filtering, up to 50 field L2 isolation(AP mode) Wireless STA (Client) connected list Web-redirect
	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)



EnGenius Technologies

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Directional Antenna

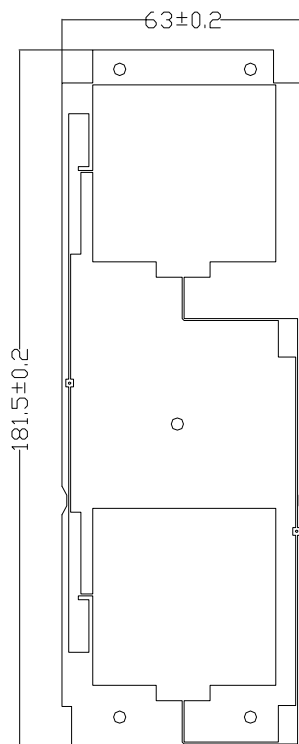
Electrical Specification

Frequency range	2400 MHz - 2500 MHz	
Peak gain*	10dBi	
VSWR	2.0 : 1 Max	
Polarization	linear, Horizontal	linear, Vertical
HPBW/horizontal	72°-74°	86°-97°
HPBW/vertical	34°-37°	26°-31°

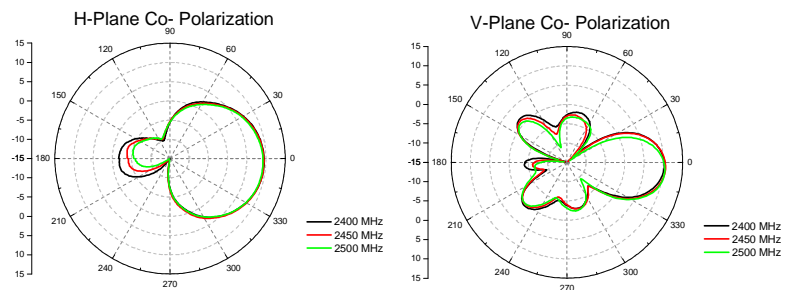
* Including cable loss.

Environmental & Mechanical Characteristics

Temperature	-40°C ~ +80°C
Humidity	95% @ 55°C
Weight	16.5g
Dimensions	63*181.5*0.8 mm



Horizontal



Vertical

