

EOC5611P

Business Class 802.11a/b/g Outdoor Dual Band Wireless Client Bridge/Access Point with Dual Antenna Polarity



Key Differentiators

INTEGRATED DUAL POLARITY ANTENNA DESIGN **NEW**

- Selectable vertical or horizontal antenna polarization
- Operates in horizontal polarity to avoid interference from standard vertical-polarized Wi-Fi devices
- Allows service provider to utilize multi-polarization for best performance

WATERPROOF CABLE ACCESSORY KIT **NEW**

- Prevents rain and dew get into the device through cables and connector holes
- Ensures higher waterproof quality against water and moisture

HIGH 600MW WIRELESS POWER

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

802.11A/B/G DUAL BAND SUPPORT

- Provides 5GHz or 2.4GHz wireless frequency
- Operates in 5GHz band to avoid interference from 802.11b/g network devices
- 802.11a offers more wireless channels than 802.11b/g

DUAL ANTENNA DESIGN

- Embedded 14dBi DUAL POLARITY panel antenna with external RP-SMA connector for upgradeable antenna
- High gain antenna for wireless power up to 41dB EIRP in 802.11a band
- Perfect for both Point-to-Point and Point-to-MultiPoint applications
- Upgradeable antenna to increase range and receive sensitivity

MULTIPLE WIRELESS NAMES (AP MODE)

- Broadcasts multiple SSID's in one device
- Permits different levels of network access (VLAN Tagging)

POWER-OVER-ETHERNET (24V POE) CAPABLE

- Power and data over one single cable for convenient installation
- Capable of 300 feet PoE cable length
- Power Injector Included

Ideal For:



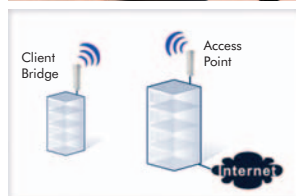
OUTDOOR WIFI
OUTDOOR CPE



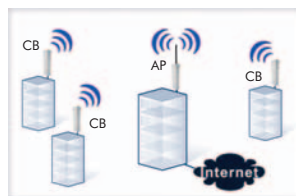
OUTDOOR WIRELESS
SURVEILLANCE VIDEO



OUTDOOR WIRELESS
SIGNAGE



POINT-TO-POINT



POINT-TO-
MULTIPOINT



EOC5611P – Technical Specifications

Specifications may change without notice.

HARDWARE SPECIFICATION

MCU/RF	Atheros AR2313+AR5112
Memory	32MB SDRAM
Flash	8MB
Physical Interface	One 10/100 Fast Ethernet RJ-45 Reset Button Antenna Switch (Internal and External Switch) 2 x RP-SMA Connector (One is for 2.4GHz and another is for 5GHz)
LED Indicators	Power (Status) LAN (10/100Mbps) WLAN (Wireless is up) 3x 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 24V / 1A DC
Regulation Certifications	FCC Part 15C/15B/15E, EN301 893, EN 300 328, EN 301 489-1/-17, EN60950, IC Certification

RF SPECIFICATION

Frequency Band	802.11a: 5.150~5.350GHz, 5.470~5.725GHz, 5.725~5.825GHz 802.11b/g: 2.412~2.472GHz			
Modulation Technology	OFDM: BPSK, QPSK, 16-QAM, 64-QAM DSSS: DBPSK, DQPSK, CCK			
Operation Channels	802.11a: 21 for North America 802.11b/g: 11 for North America, 14 for Japan, 13 for Europe			
Receive Sensitivity (Typical)	IEEE 802.11a: -92dBm @ 6Mbps • -73dBm @ 54Mbps IEEE 802.11g: -92dBm @ 6Mbps • -75dBm @ 54Mbps IEEE 802.11b: -97dBm @ 1Mbps • -91dBm @ 11Mbps			
Available transmit power (Average power)	FCC		ETSI	
	Frequency	Power	Frequency	Power
	5.150~5.350 GHz	26dBm@6~24Mbps	5.150~5.350 GHz	26dBm@6~24Mbps
	5.470~5.725 GHz	24dBm@36Mbps	5.470~5.725 GHz	24dBm@36Mbps
	5.725~5.825 GHz	22dBm@48Mbps	5.725~5.825 GHz	22dBm@48Mbps
	802.11a	20dBm@54Mbps	802.11a	20dBm@54Mbps
2.412~2.462 GHz 802.11g	26dBm@6~24Mbps	2.412~2.472 GHz 802.11g	26dBm@6~24Mbps	
	24dBm@36Mbps		24dBm@36Mbps	
	23dBm@48Mbps		23dBm@48Mbps	
2.412~2.462 GHz 802.11b	22dBm@54Mbps	2.412~2.472 GHz 802.11b	22dBm@54Mbps	
	27dBm@1~11Mbps		27dBm@1~11Mbps	
Internal Antenna	Gain	14dBi		
	Radiation	Directional		
	Frequency Band Range	5.1-5.8GHz		
	Horizontal -3dB Bandwidth	35°		
	Vertical -3dB Bandwidth	15°		
External Antenna	Antenna Polarity:	Dual-Polarized; Vertical/Horizontal		
	Polarity Selection:	Software Controlled		
External Antenna	2 x RP-SMA Female connector (for 2.4GHz and 5GHz individually)			

SOFTWARE FEATURES

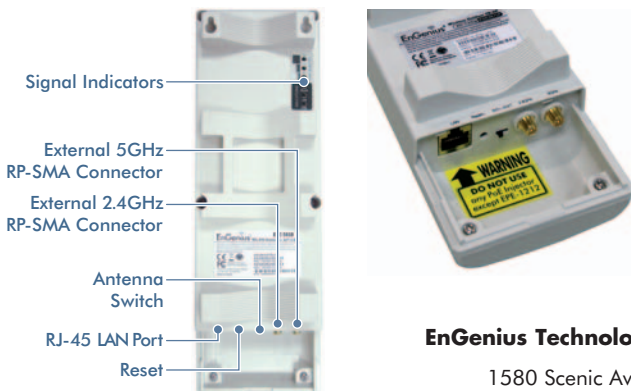
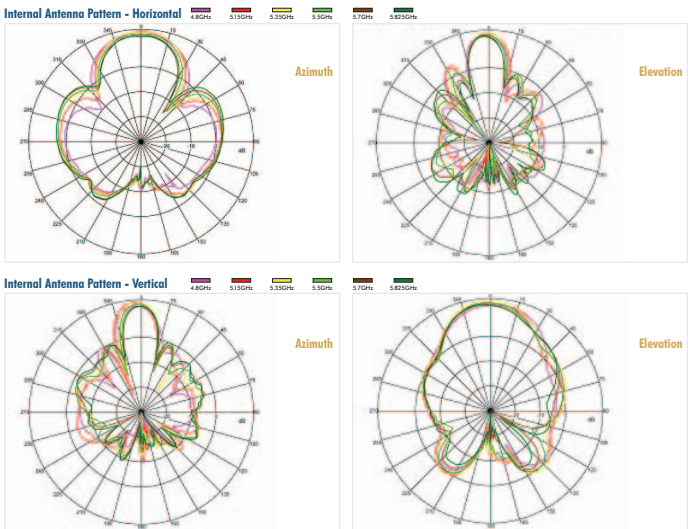
Topology	Infrastructure	
Protocol / Standard	IEEE 802.3 (Ethernet) IEEE 802.3u (Fast Ethernet) IEEE 802.11a/b/g (5GHz/2.4GHz WLAN)	
Operation Mode	802.11a/b/g: Access Point/Client Bridge/Client Router/WDS AP/WDS Bridge	
LAN	DHCP Server • DHCP Client	
VPN	VPN pass-through	
Wireless	Channel Selection (Setting varies by countries) Transmission Rate 11a/b/g: 54, 48, 36, 24, 18, 12, 11, 9, 6, 5.5, 2, 1 in Mbps Long distance transmission: 1km to 30km (ACK timeout) Auto Channel Selection • Traffic Shaping • Transmit Power Table • AP Detection Narrow Bandwidth 5MHz/10MHz/20MHz Support • Signal Strength indicator PPPoE & PPTP (Client Router mode) Preferred SSID Multiple SSID & VLAN Tagging (up to 4)	
	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 • Layer 2 Isolation Hide SSID in beacons MAC address filtering, (up to 50) Wireless STA (Client) connected list
	QoS	WMM

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 1second) • Reset to Factory Default (press 5 seconds)
System monitoring	Status, Event Log
SNMP	v1, v2c
MIB	MIB I, MIB II (RFC1213)
Backup & Restore	Settings through Web
Time setting	NTP (Auto-setting) Manual Setting

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)	0% ~ 95% typical
Dimensions	L: 10.24" (260mm) x W: 3.31" (84mm) x H: 2.17" (55mm)
Weight	0.66 lb. (300g)



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