

# EOA3630

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



### Key Differentiators

#### HIGH 600MW WIRELESS POWER

Ensures robust signal to overcome long distances  
Offers superior WiFi coverage over other 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

#### SIGNAL STRENGTH LED INDICATOR

Allows network installer for easy deployment

#### HIGH GAIN DETACHABLE ANTENNA DESIGN

5dBi antenna for wireless power up to 2000mW EIRP  
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  
Less heat dissipation to ensure reliable performance  
Capable of 300 feet PoE cable length  
Power Injector Included

#### INTELLIGENT QUALITY OF SERVICE (QOS) TECHNOLOGY

Facilitates bandwidth priority for VoIP call, video streaming, online gaming

### Ideal For:



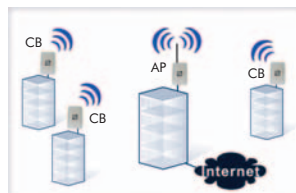
OUTDOOR HOTSPOTS  
COLLEGE CAMPUSES  
CAMP GROUNDS &  
PARKS



OUTDOOR WIRELESS  
SURVEILLANCE VIDEO



OUTDOOR WIRELESS  
SIGNAGE



POINT-TO-MULTI POINT



UNIVERSAL REPEATER



# EOA3630 – Technical Specifications

Specifications may change without notice.

## HARDWARE SPECIFICATION

MCU	Atheros AR2316, 180MHz
Memory	32MB SDRAM
Flash	8 MB
Physical Interface	1 x RJ-45 : 10/100 Fast Ethernet 1 x Reset Button
LEDs Status	1 x Power/ Status 1 x LAN (10/100Mbps) 1 x 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)24V/0.6A
Regulation Certifications	FCC Part 15C/15B/15E, EN301 893, EN 300 328, EN 301 489-1/-17, EN60950

## RF SPECIFICATION

Frequency Band	2.412~2.484 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, 14 for Japan, 13 for Europe	
Receive Sensitivity (Typical)	IEEE802.11g 6Mbps@ -92dBm 54Mbps@ -74dBm	IEEE802.11b 1Mbps@ -97dBm 11Mbps@ -89dBm
Available transmit power (Average power)	IEEE802.11g 27dBm@6~24Mbps 25dBm@36Mbps 23dBm@48Mbps 22dBm@54Mbps	IEEE802.11b 28dBm@1 ~ 11Mbps
Antenna	Tolerance = ±1 dBm	Tolerance = ±1 dBm
	1 x N-type 5dBi Omni Antenna	

## SOFTWARE FEATURES

Topology	Infrastructure
Operation Mode	Access point/Client Bridge/Repeater/WDS AP/WDS CB/Client Router/AP Router
LAN	DHCP Server DHCP Client
WAN	PPPoE/PPTP (Client Router /AP Router mode)
Router	NAT/ NAPT
VPN	VPN pass-through (PPTP, L2TP, IPSEC)
Wireless	Wireless Mode - 11b / 11g / Disable Channel Selection (Setting varies by Country) Transmission Rate 11 b/g: 54, 48, 36, 24, 18, 12, 11, 9, 6, 5.5, 2, 1 in Mbps SuperG: 108Mbps Distance Control (Ack timeout) Signal Strength Channel Bandwidth Selection: 20/10/5MHz RSSI Indicator (Client Bridge mode) Auto Channel Selection AP Detection MSSID up to 4 BSSID
Security	WEP Encryption-64/128/152 bit WPA Personal (WPA-PSK using TKIP or AES) WPA Enterprise (WPA-EAP using TKIP) 802.1x Authenticator Hide SSID in beacons Multiple SSID with 802.1q VLAN tagging (up to 4 SSIDs)(AP mode) MAC Filter(AP mode) Wireless STA (Client) connected list
QoS	WMM

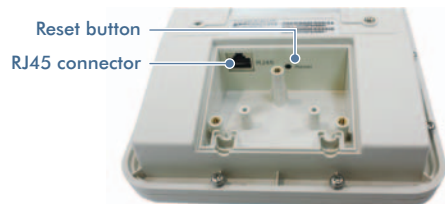
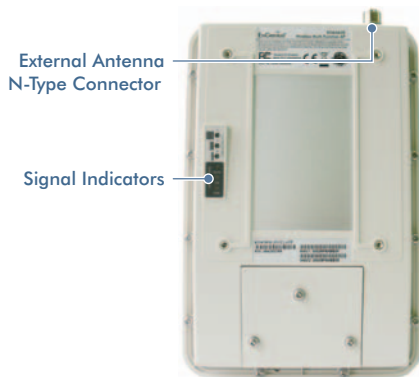
## MANAGEMENT

Configuration	Web-based configuration (HTTP)/Telnet
Firmware Upgrade	Upgrade firmware via web browser Keep latest setting parameter when firmware upgrade
Administrator Setting	Administrator password change
Reset Setting	Reboot Reset to Factory Default
System monitoring	Status, Statistics and Event Log
SNMP	V1 , V2c
MIB	MIB I , MIB II(RFC1213)
Bandwidth Measurement	Traffic Shaping
Backup & Restore	Settings through Web
Diagnostic	Ping Function and Trace-route

## 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% ~ 95% typical
Dimensions	L: 10.24" (260mm) x W: 6.89" (175mm) x H: 2.56" (65mm)
Weight	1.49 lb. (680g)

## EOA3630 BACK PANEL



## EnGenius Technologies

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