EnGenius | DATASHEET

Outdoor 7 Multi-Function AP/CB ***EOA3630***

2.4 GHz 802.11 b/g **IP65** **RSSI Indicator** **7 Multi-Function**

The outdoor wireless device EOA3630 is a powerful, enhanced, enterprise scale product with 7 multi-functions. External N-type connector provides antenna extend. It features output power levels setting, Narrow bandwidth selection, Traffic Shaping and Real-time RSSI indicator.

EOA3630 comes with wall mount kit and supports PoE function for quick outdoor installation. To ensure wireless security, it provides full coverage of security encryption mechanisms support including WEP, WPA/WPA2 and IEEE 802.1x.

Beside upgradable N-type interface which make it a scalable solution for all possible project requirements. Stable and high reliability design let users don't worry about the operation in harsh environment.

Package Content

- 1 x EOA3630
- 1 x PoE injector with Power Adapter(24V/0.6A)
- 1 x N-type 5dBi Omni Antenna
- 1 x QIG
- 1 x Mounting kit
- 1 x CD with User's Manual
- 1 x Grounding Cable

Features	Benefits
High Speed Data Rate Up to 108Mbps	Capable of handling heavy data payloads such as MPEG video streaming
High Output Power up to 28 dBm	Extended excellent Range and Coverage (fewer APs)
IEEE 802.11b/g Compliant	Fully Interoperable with IEEE 802.11b/IEEE802.11g compliant devices
Watertight and Weatherproof	Avoid water invaded and weather corroded for outdoor environment
Wall mount and mast mounting kit support	Building on Outdoor environment easily.
Detachable antenna support (N-Type)	Collocate with any antenna for user's environment
7 Multi-Function	Users can use different mode in various environment
Point-to-point, Point-to-multipoint Wireless Connectivity	Let users transfer data between two buildings or multiple buildings
Channel Bandwidth Selection	Using different bandwidth to reach varied distance
Support RSSI Indicator (CB mode)	Users can select the best signal to connect with AP easily
Power-over-Ethernet	Flexible Access Point locations and cost savings
Universal Repeater	The easiest way to expand your wireless network's coverage
Support Multi-SSID function (4 SSID) in AP mode	Allow clients to access different networks through a single access point and assign different policies and functions for each SSID by manager
WPA2/WPA/ IEEE 802.1x support	Powerful data security
MAC address filtering in AP mode(up to 50)	Ensures secure network connection
PPPoE/PPtP function support (CR mode)	Easy to access internet via ISP service authentication
SNMP Remote Configuration Management	Help administrators to remotely configure or manage the Access Point easily.
QoS (WMM) support	Enhance user performance and density

Technical Specifications

Hardware Specifications	
MCU	Atheros AR2316, 180MHz
Memory	32MB SDRAM
Flash	8MB
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: Good Quality • Yellow: Marginally Acceptable Quality • Red: Bad Quality
Power Requirements	Active Ethernet (Power over Ethernet) 24V/0.6A
Regulation Certifications	

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	
Operating 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	IEEE802.11g 27dBm@6~24Mbps 25dBm@36Mbps 23dBm@48Mbps 22dBm@54Mbps	IEEE802.11b 28dBm@1 ~ 11Mbps
	Tolerance = ±1 dBm	Tolerance = ±1 dBm
Antenna	1 x External N-type Connector	

Software Features	
Setting	
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 (CB 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 when f/w update
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

Temperature Range	Operating: -20°C~70°C Storage: -30°C to 80°C
Humidity (non-condensing)	5%～95% typical
Dimensions	260mm(L) x 175mm(W) x 65mm(H)
Weight	680g

Mechanical

EOA3630