



EOC-1650

EOC1650 is a revolutionary product consists of conciseness, quality, and flexibility. It comes with 7dBi internal antenna and upgradable SMA interface provides a customizable interface for enhanced network coverage. Attached suction cup allows quick installation on window or smooth surface.

Operation mode provides Access Point / Client Bridge /Client Router and high bandwidth up to 54Mbps. It features high transmitted output power and high receivable sensitivity. High output power and high sensitivity extends range and coverage to reduce the roaming between Access Points to ensure a stable wireless connection and reduce the expense of equipment.

It supports distance control ranges from 1km to 30km and RSSI indicator which enables the best transmitted and received signals for traffic communication. User can choose a suitable antenna for flexible application. This product comes with PoE injector for building in outdoor environment easily.

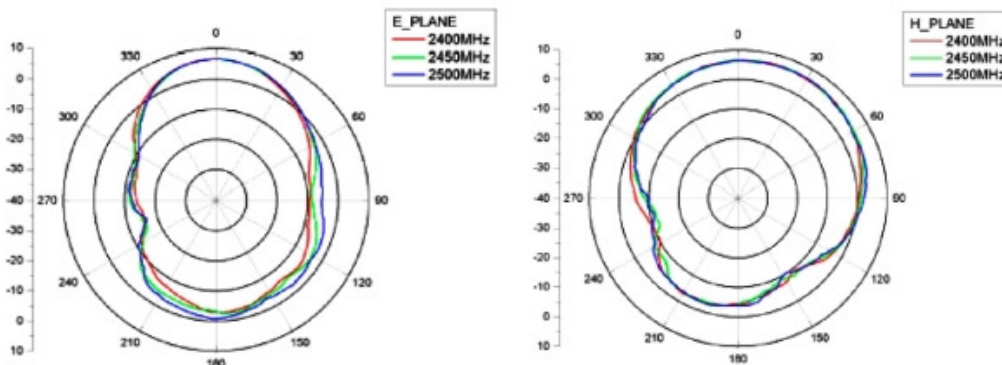
To protect wireless connectivity, EOC1650 encrypt wireless transmissions through 64/128-bit WEP data encryption and also supports WPA/WPA2. The MAC address filter lets you select exactly which stations should have access to your network. In addition, the User Isolation function can protect the private network between client users.

The attractive design, high performance, and array of features make EOC1650 an optimal wireless solution choice for your residence and office.

Package Content

- One 802.11b/g Long range AP/CB (EOC1650)
- One PoE Injector (EPE-1212) with 24V/0.6A Power Adapter
- One CD with User's Manual
- One QIG
- One Metal strap
- One Special screw set
- One 5dBi SMA Antenna *

Antenna



EnGenius Data Communication Australia
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Hardware Specification

- Physical Interface
 - One 10/100 Fast Ethernet RJ-45
 - One Reset Button
 - One Antenna Switch
 - One SMA Connector
- LED Indicators
 - 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) Proprietary PoE design
 - Power Adapter 24V / 0.6A DC
- Regulation Certifications
 - FCC Part 15C/15B, EN 300 328/EN 301 489-1/-17

RF Specification

- Frequency Band:
 - 802.11b/g
 - 2.412~2.472GHz
- Modulation Technology
 - OFDM = BPSK, QPSK, 16-QAM, 64-QAM
 - DSSS = DBPSK, DQPSK, CCK
- Operation Channels:
 - 802.11b/g
 - 11 for North America, 14 for Japan, 13 for Europe
- Receive Sensitivity (Typical)
 - 802.11g: -92dBm@6Mbps, -74dBm@54Mbps
 - 802.11b: -97dBm@1Mbps, -89dBm@11Mbps
- Available transmit power (Average power)
 - FCC Frequency:**
 - 2.412~2.462 GHz IEEE802.11g
 - FCC Power:**
 - 23dBm@6~24Mbps, 21dBm@36Mbps
 - 19dBm@48Mbps, 18dBm@54Mbps
 - FCC Frequency:**
 - 2.412~2.462 GHz IEEE802.11b
 - FCC Power:**
 - 24dBm@1~11Mbps
 - ETSI Frequency:**
 - 2.412~2.472 GHz, IEEE802.11g
 - ETSI Power:**
 - 23dBm@6~24Mbps, 21dBm@36Mbps
 - 19dBm@48Mbps, 18dBm@54Mbps
 - ETSI Frequency:**
 - 2.412~2.472 GHz IEEE802.11b
 - ETSI Power:**
 - 24dBm@1~11Mbps
 - Internal Antenna
 - Gain: 7dBi
 - Radiation: Directional
 - Frequency Band Range: 2.4 -2.5GHz
 - Horizontal -3dB Bandwidth: 100°
 - Vertical -3dB Bandwidth: 45°
 - External Antenna: One 5dBi SMA Omni Antenna

Software Feature

- 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/Router, WDS AP/Bridge
- LAN: DHCP Server/Client
- 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
 - Long distance transmission : 1km-30km
 - Transmit power table
 - Signal Strength indication using LEDs
 - PPPoE(CR mode) and PPTP
 - Narrow Bandwidth 5MHz/10MHz/20MHz Support
 - PING function and Trace Route function
 - MSSID Support
 - VLAN Support
- 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

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 I, MIB II (RFC1213)
- Backup & Restore Settings through Web
- Time setting: NTP (Auto-setting of time)
Time setting manually

Environment & Physical

- Temperature Range
 - Operating -20°C~70°C
 - Storage -30°C to 80°C
- Humidity(non-condensing): 0%~95% typical
- Dimensions: 192mm (L) x 48mm (W) x 36.2mm (H)
- Weight: 250g

Contact

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