



802.11a/b/g Outdoor Client Bridge / Access Point

EOC-8610S-EXT

The EOC-8610S-EXT utilizes an Atheros AR5006 solution and up to 600 mW RF output power in a IP67 rated enclosure to provide extended wireless signal coverage outdoors. Along with integrated 802.3af support, versatile operation modes, and security support for WPA2, make the EOC-8610S-EXT the ideal outdoor wireless solution.

Specifications

General:

- High Speed Data Rates up to 54Mbps for heavy data payloads like video streaming.
- Fully interoperable with IEEE802.11a/b/g compliant devices
- Weatherproof IP67 enclosure.
- WPA and 802.1x support for data protection.
- WDS (Wireless Distribution System) in Access Point mode.
- SNMP support for easy remote management.
- 802.3af Power-over-Ethernet certified.

Radio:

- **Media Access Protocol:**
Carrier Sense Multiple Access with Collision Avoidance (CSMA/CA)
- **Modulation Technology:**
Orthogonal Frequency Division Multiplexing (OFDM)
 - DBPSK @ 1Mbps
 - DQPSK @2Mbps
 - CCK @ 5.5 & 11Mbps
 - BPSK @ 6 and 9 Mbps
 - QPSK @ 12 and 18 Mbps
 - 16-QAM @ 24 and 36 Mbps
 - 64-QAM @ 48 and 54 Mbps
- **Operating Channels**
802.11b/g: 11 (North America)
802.11a: 12 non-overlapping channels (North America)
- **Receive Sensitivity (Typical)**
5.15 - 5.85G(IEEE802.11a)
6Mbps@ -88dBm
54Mbps@ -70dBm
2.412 - 2.472G(IEEE802.11g)
6Mbps@ -90dBm
54Mbps@ -74dBm
2.412 - 2.472G(IEEE802.11b)
11Mbps@ -90dBm
1Mbps@ -95dBm
- **Available Transmit Power (Typical)**
4.92 - 5.32 GHz(IEEE802.11a)
22dBm @6 - 24Mbps
20dBm @36Mbps
18 dBm @48Mbps
17 dBm @54Mbps
5.50 - 5.70 GHz(IEEE802.11a)
21dBm @6 - 24Mbps
19dBm @36Mbps
17 dBm @48Mbps
16 dBm @54Mbps
5.745 - 5.85GHz (IEEE802.11a)
20dBm @6 - 24Mbps
18dBm @36Mbps
16 dBm @48Mbps
15 dBm @54Mbps

- 2.412-2.472G(IEEE802.11g)
27dBm @6 - 24Mbps
25dBm @36Mbps
24 dBm @48Mbps
23 dBm @54Mbps
- 2.412-2.472G(IEEE802.11b)
Up to 28 dBm. @1, 2, 5.5 and 11Mbps

• RF Connector:

RP-SMA Type

Networking:

- **Topology**
Ad-Hoc, Infrastructure
- **Operation Mode**
Point-to-Point/ Point-to-Multipoint Bridge/ AP/ Client Bridge/ WDS
- **Interface**
Wireless IEEE802.11b/g
10/100 RJ-45 port
- **Security**
AP Mode: IEEE802.1x / RADIUS Client (EAP-MD5/TLS/TTLS)
WPA /WPA2/ Pre Share KEY (PSK) with TKIP/AES
MAC address filtering (AP only)
Hide SSID
- **IP Auto-configuration**
DHCP client/server

Management:

- **Configuration**
Web-based configuration (HTTP)
Telnet Configuration
SNMP

Firmware Upgrade:

- Upgrade firmware via web-browser
Serial Interface (RS-232)

Physical:

- **Dimensions (H x W x D)**
163.8(L)mm x 135.2(W)mm x 47.0(H)mm
- **Weight**
1.2 Kg (2.6 lbs)
- **Environment Temperature Range**
Operating: -0°C to 60°
Storage: -20°C to 80°
- **Humidity (non-condensing)**
5%-95% Typical
- **Package Contents**
1 Outdoor Wireless Client Bridge/Access Point Unit
1 48V, 0.375A AC/DC adapter with wall-plug power code
1 One Dual Band SMA Antenna.
1 Inline Power Injector (PoE)
1 1.8m Grounding Cable
1 User manual CD-disc
1 Wall mounting kit
1 Mast mounting kit



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