

EOC-2610 is a long range outdoor wireless Access Point / Client Bridge that operates seamlessly in the 2.4GHz frequency spectrum and provides high bandwidth up to 108Mbps with Super G. It features high transmitted output power and high receivable sensitivity. High output power and high sensitivity can extend range and coverage to reduce the roaming between Access Points to get a more stable wireless connection. It also reduces the expense of equipment in the same environment.

It supports distance control by 1km to 30km and RSSI indicator which enables the best transmit and receive signals for traffic communication. This product comes with PoE injector for building in outdoor environment easily.

To protect your wireless connectivity, it can encrypt all 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 EOC-2610 a suitable wireless solution for your residence or office.



### Package Content

- 1\* 802.11b/g Long range AP/CB (EOC-2610)
- 1\* PoE Injector (EPE-1212)
- 1\* Power Adaptor
- 1\* CD with User's Manual
- 1\* QIG
- 1\* Metal strap
- 1\* Special screw set

## Features

### Wireless

- **2.4GHz** It works in 2.4GHz frequency spectrum
- **High output power** Transmit output power programmable for different country selections
- **High Data Rate** High speed transmitting rate up to 108Mbps with Super G, support large payload such as MPEG video streaming
- **Multifunction application** Access Point/Client Bridge/Client Router
- **Long range transmitting** Transmit power control and distance control (ACK timeout)
- **Signal Strength** LED indicators have the best transmit and receive signal for traffic communication

### Networking

- **Public wireless solution** An AP interface that is especially useful in public areas such as hotspots and enterprise
- **Signal Strength Display** RF signal strength status shown LEDs of 3 colors, making network build-up easier
- **QoS(WMM)** Enhance performance and density

### Security

- **802.11i** WEP, WPA, WPA2 (Encryption support TKIP/AES)
- **MAC address functions** MAC address filter (AP mode)
- **802.1x** IEEE802.1x Authenticator
- **L2 isolation**
- **Station isolation**

### Management

- **Firmware Upgrade** Upgrading firmware via web browser, setting are reserved after upgrade
- **Reset & Backup** Reset to factory default. User can export all setting into a file via WEB
- **MIB** MIB I, MIB II(RFC1213)
- **SNMP** V1, V2c

## Technical Specifications

Hardware Specification	
Physical Interface	One 10/100 Fast Ethernet RJ-45 Reset Button One SMA Connector One switch (external and internal antenna switching)
LED indicators	Power/ Status LAN (10/100Mbps) WLAN (Wireless is up) 3 x Link Quality (Client Bridge mode) <ul style="list-style-type: none"> <li>➤ Green: Good Quality</li> <li>➤ Yellow: Marginally Acceptable Quality</li> <li>➤ Red: Bad Quality</li> </ul>
Power Requirements	Active Ethernet (Power over Ethernet) Proprietary PoE design Power Adapter 24V / 0.8A DC
Regulation Certifications	FCC Part 15C/15B, EN 300 328/EN 301 489-1/-17

RF Specification																											
Frequency Band	<b>802.11b/g</b> 2.412~2.472GHz																										
Modulation Technology	OFDM = BPSK, QPSK, 16-QAM, 64-QAM DSSS = DBPSK, DQPSK, CCK																										
Operating Channels	<b>802.11b/g</b> 11 for North America, 14 for Japan, 13 for Europe																										
Receive Sensitivity (Typical)	<table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%;"><b>802.11g</b> -92 dBm @ 6Mbps -74 dBm @ 54Mbps</td> <td style="width: 50%;"><b>802.11b</b> -97 dBm @ 1Mbps -89 dBm @ 11Mbps</td> </tr> </table>	<b>802.11g</b> -92 dBm @ 6Mbps -74 dBm @ 54Mbps	<b>802.11b</b> -97 dBm @ 1Mbps -89 dBm @ 11Mbps																								
<b>802.11g</b> -92 dBm @ 6Mbps -74 dBm @ 54Mbps	<b>802.11b</b> -97 dBm @ 1Mbps -89 dBm @ 11Mbps																										
Available transmit power (Average power)	<table border="1" style="width: 100%; border-collapse: collapse; text-align: center;"> <thead> <tr> <th colspan="2">FCC</th> <th colspan="2">ETSI</th> </tr> <tr> <th>Frequency</th> <th>Power</th> <th>Frequency</th> <th>Power</th> </tr> </thead> <tbody> <tr> <td rowspan="2">2.412~2.462 GHz IEEE802.11g</td> <td>26dBm@6~24Mbps</td> <td rowspan="2">2.412~2.472 GHz IEEE802.11g</td> <td>26dBm@6~24Mbps</td> </tr> <tr> <td>25dBm@36Mbps</td> <td>25dBm@36Mbps</td> </tr> <tr> <td></td> <td>23dBm@48Mbps</td> <td></td> <td>23dBm@48Mbps</td> </tr> <tr> <td></td> <td>22dBm@54Mbps</td> <td></td> <td>22dBm@54Mbps</td> </tr> <tr> <td>2.412~2.462</td> <td>27dBm@1~11Mbps</td> <td>2.412~2.472</td> <td>27dBm@1~11Mbps</td> </tr> </tbody> </table>	FCC		ETSI		Frequency	Power	Frequency	Power	2.412~2.462 GHz IEEE802.11g	26dBm@6~24Mbps	2.412~2.472 GHz IEEE802.11g	26dBm@6~24Mbps	25dBm@36Mbps	25dBm@36Mbps		23dBm@48Mbps		23dBm@48Mbps		22dBm@54Mbps		22dBm@54Mbps	2.412~2.462	27dBm@1~11Mbps	2.412~2.472	27dBm@1~11Mbps
FCC		ETSI																									
Frequency	Power	Frequency	Power																								
2.412~2.462 GHz IEEE802.11g	26dBm@6~24Mbps	2.412~2.472 GHz IEEE802.11g	26dBm@6~24Mbps																								
	25dBm@36Mbps		25dBm@36Mbps																								
	23dBm@48Mbps		23dBm@48Mbps																								
	22dBm@54Mbps		22dBm@54Mbps																								
2.412~2.462	27dBm@1~11Mbps	2.412~2.472	27dBm@1~11Mbps																								

\* Theoretical wireless signal rate based on IEEE standard of 802.11b, g chipset used. Actual throughput may vary. Network conditions and environmental factors lower actual throughput rate.

\*\* All specifications are subject to change without notice.



**EOC-2610**  
 Long Range Wireless  
 Access Point/Client Bridge

2.4GHz  
 108Mbps  
 802.11b/g/Super G  
 Multi-Function



	GHz IEEE802.11b		GHz IEEE802.11b	
	Tolerance	±1 dBm	Tolerance	±1 dBm
Internal Antenna	Embedded 10dBi Panel antenna			
External Antenna	1* SMA connector			

Software Features	
General	
Topology	Infrastructure
Protocol / Standard	IEEE 802.3 (Ethernet) IEEE 802.3u (Fast Ethernet) IEEE 802.11b/g (2.4GHz WLAN)
Operation Mode	<b>802.11 b/g</b> Access Point Client Bridge Client Router
LAN	DHCP Server DHCP Client
VPN	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 Super G : 108 Mbps Long distance transmission : 1km to 30km Transmit power table Signal Strength indication using LEDs PPPoE(CR mode)
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 802.1Q VLAN MAC address filtering, up to 50 field L2 isolation(AP mode) Wireless STA (Client) connected list

\* Theoretical wireless signal rate based on IEEE standard of 802.11b, g chipset used. Actual throughput may vary. Network conditions and environmental factors lower actual throughput rate.

\*\* All specifications are subject to change without notice.



**EOC-2610**  
 Long Range Wireless  
 Access Point/Client Bridge

2.4GHz  
 108Mbps  
 802.11b/g/Super G  
 Multi-Function



	Web-redirect
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 1 second) - Reset to Factory Default (Press 5 seconds)
System monitoring	Status, Event Log
SNMP	V1, V2c
MIB	MIB I, MIB II (RFC1213) and Private MIB
Backup & Restore	Settings through Web
Time setting	NTP (Auto-setting of time) Time setting manually

### Environment & Mechanical

Temperature Range	Operating -20°C~70°C Storage -30°C to 80°C
Humidity (non-condensing)	0%~90% typical
Dimensions	260mm (L) x 84mm (W) x 55mm (H)
Weight	300g

\* Theoretical wireless signal rate based on IEEE standard of 802.11b, g chipset used. Actual throughput may vary. Network conditions and environmental factors lower actual throughput rate.

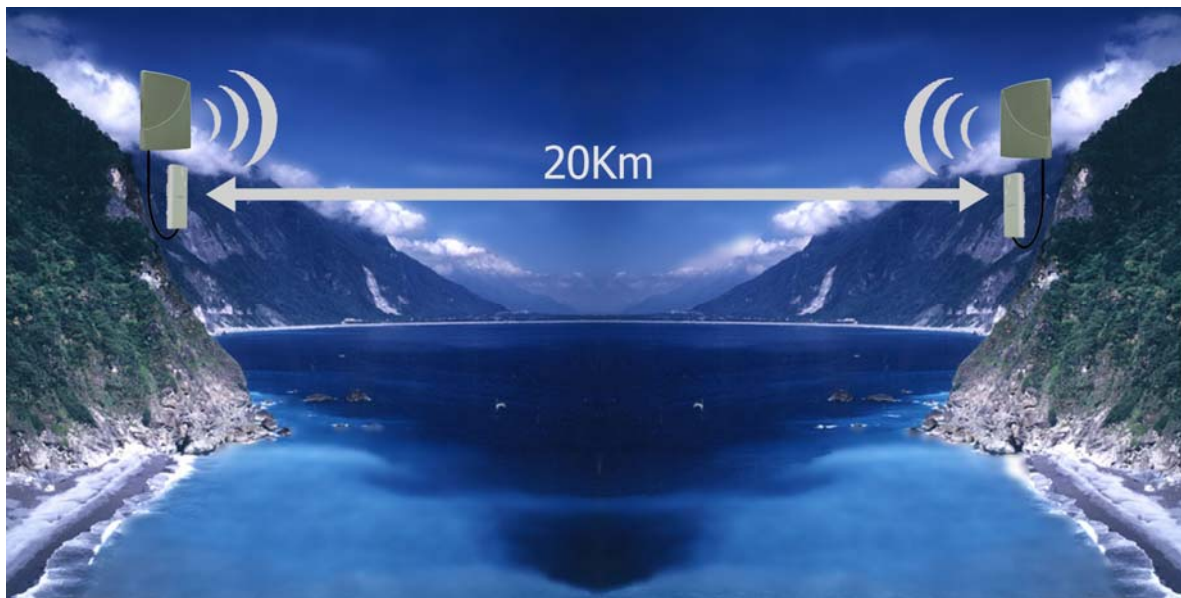
\*\* All specifications are subject to change without notice.

## Application

Access Point + Client Bridge scenario



Long Range Transmitting



\* Theoretical wireless signal rate based on IEEE standard of 802.11b, g chipset used. Actual throughput may vary. Network conditions and environmental factors lower actual throughput rate.

\*\* All specifications are subject to change without notice.

**Product ID & Mounting Base**

**Front**



**Rear**



**Standard Mounting Kits**

**Pole mount**



**Optional mounting kits**

**Wall mount**



**Window mount**



\* Theoretical wireless signal rate based on IEEE standard of 802.11b, g chipset used. Actual throughput may vary. Network conditions and environmental factors lower actual throughput rate.

\*\* All specifications are subject to change without notice.