



UGL2454-APXR

108Mbps Wireless-G Access Point

Linking to Internet with Super-G Wireless Network



FEATURES

- Wi-Fi compliant with IEEE 802.11g and 802.11b
- High performance Super G mode up to 108Mbps data transfer rate for 802.11g Turbo function
- eXtended Range (XR) Technology for better wireless signal coverage
- Supports AP, AP Client, Repeater, Bridge (Point To Point) and Bridge (Point to Multi-Point) modes
- Provides 10/100M LAN port for wireless to wired network connection
- Supports WDS Enable/Disable function for AP Client and Repeater modes
- Supports 64/128-bit WEP wireless data encryption
- Supports advance network security of 802.1X/WPA, WPA-PSK, TKIP/AES, WPA2, WPA2-PSK
- 2.4GHz ISM band, no license required for operation
- Provides MAC access control & hidden SSID function
- Quick setup wizard and Web based user interface for easy management and configuration

Package Contents

- One Wireless-G Access Point
- One Reverse SMA Detachable Antenna
- One Cat.5 Network Cable
- One Setup Utility CD-ROM
- One External AC Power Adapter

OVERVIEW

The highly efficient 2.4GHz IEEE 802.11g/b Wireless Access Point is designed to meet the need of wireless clients who use 2.4GHz 802.11g/b compliant wireless products such as PC Card. With the Dual-Standard capability, not only seamless but also simultaneous wireless data transmission between AP and all wireless clients using both 802.11g and 802.11b can be sustained.

The 2.4GHz 802.11g/b Wireless Access Point with Super-G function boost unbeatable performance up to 108Mbps, results in both data throughput and range coverage, is an ideal device to be deployed not only in complex network infrastructure but also in simple SOHO and home environment.

The UGL2454-APXR provides WDS bridging function, allowing users to connect two or more Access Points together. It also provides Direct Sequence Spread Spectrum (DSSS) operation for transparent bridging and roaming capabilities for wireless nodes. This roaming feature makes notebooks or wireless devices portable to move everywhere within wireless signal coverage. The UGL2454-APXR also included an embedded DHCP server that can automatically assign IP address to wireless clients.

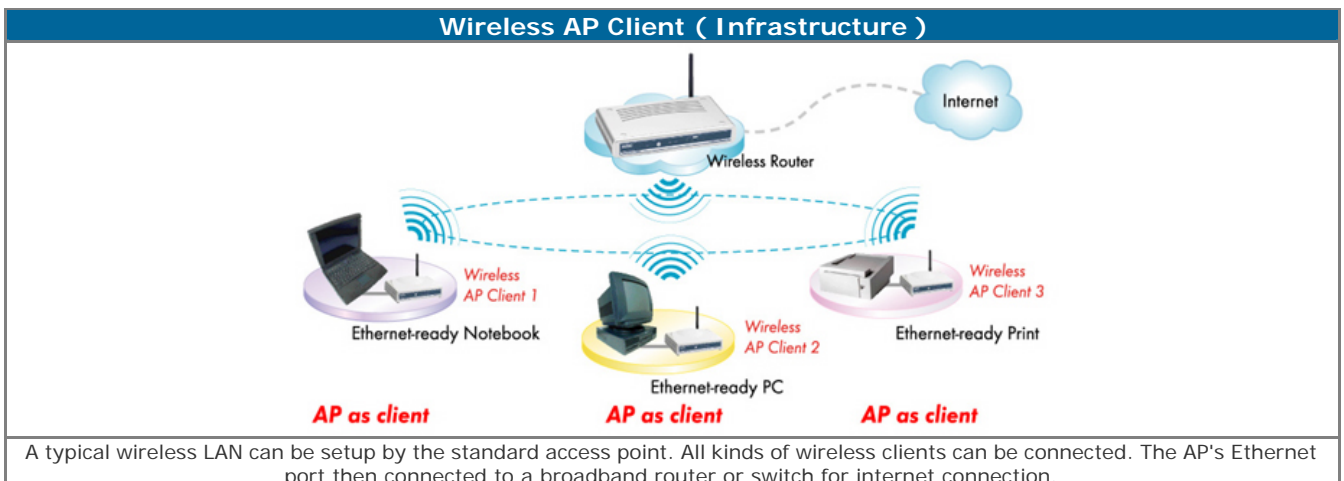
This device setup can be installed by the simple setup wizard provides as part of the web management utility or be manually configured for the advanced settings. Wireless network protection can be ensured by WEP encryption, Wi-Fi Protected Access (WPA) and 802.1x authentication to achieve maximum level of security. The UGL2454-APXR also includes advanced security features such as WPA2 and AES to keep your wireless connection safe from unauthorized access.

SPECIFICATIONS

Wireless LAN Specifications	
Wireless Standards	IEEE 802.11g, IEEE 802.11b
Data Rate	Atheros Super-G mode up to 108Mbps 802.11g: 54 / 48 / 36 / 24 / 18/ 12 / 9 / 6 Mbps auto fallback 802.11b: 11 / 5.5 / 2 / 1 Mbps auto fallback
Frequency Band	2.4GHz ISM (Industrial Scientific Medical) Band
RF Frequency	2412 ~ 2462 MHz (North America) 2412 ~ 2472 MHz (Europe) 2412 ~ 2484 MHz (Japan)
Radio Channel	1 ~ 11 channels (North America) 1 ~ 13 channels (Europe) 1 ~ 14 channels (Japan)
Antenna type	Reverse SMA connector
RF Output Power	16 – 18 dbm (typical)
Receiver Sensitivity	54Mbps OFDM, 10% PER, -68dBm 11Mbps CCK, 8% PER, -86dBm 6Mbps OFDM, 10% PER, -88dBm 1Mbps BPSK, 8% PER, -93dBm
Data Security	WPA-WiFi Protected Access, WPA2, WPA2-PSK (64/128-bit WEP with TKIP, MIC, IV Expansion, Shared Key Authentication)
Modulation Type	Orthogonal Frequency Division Multiplexing (OFDM) Complementary Code Keying (CCK)
Media Access Control	CSMA/CA with ACK
Compliant	FCC Class B CE Mark Wi-Fi Compliant

Hardware Specifications	
Interface	LAN: One 10/100Base-T/TX RJ-45 ports Wireless Access Point One reset button for factory default setting
Antenna Type	2.4GHz Detachable 2dBi Reverse SMA Antenna
Installation	Desktop, Wall-Mounting
Chipset	Wireless: Atheros
LED	Power, LAN, Wireless LAN
Dimension	147 (L) x 117 (W) x 45 (H) mm
Power	External Power Adapter, 5VDC, 2A
Weight	130g (Net)
Operating Temperature	0° ~ 45°C (32°F ~ 113°F)
Storage Temperature	-20° ~ 60°C (-4°F ~ 140°F)
Humidity	10 ~ 95% non-condensing

Application Diagram

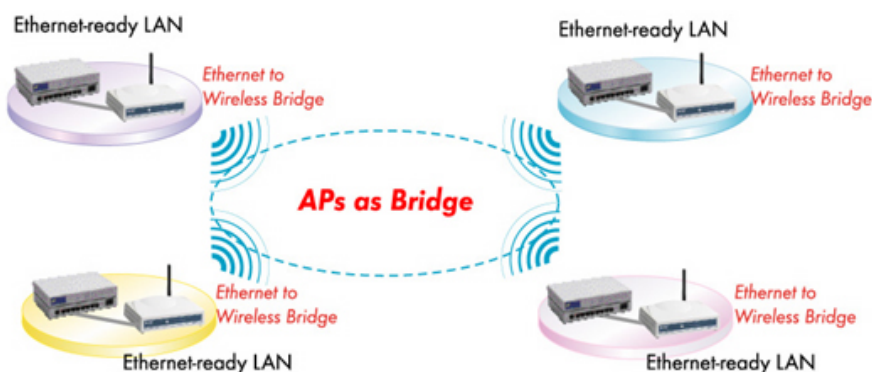


Wireless Access Point (Infrastructure)



This device can be setup into AP client mode and will transform any IEEE 802.3 Ethernet device (e.g., a computer, printer, etc.) into an 802.11b wireless client when it communicates with another Wireless Access Point.

Wireless Bridge (Multiple Bridge)



This device can be setup into bridge mode and configured for point to multi-point bridge. After the wireless bridge connection ready, all the Ethernet LANs connects to each other.

Wireless Repeater (Remote AP)



The device can be setup into repeater mode and insert to the location where the AP coverage is not long enough. Wireless repeater repeats radio signals from root AP for its wireless clients in coverage.

ORDERING INFORMATIONS

Model	Description
UGL2454-APXR	108Mbps Wireless-G Access Point (with Super-G Mode)

EUSSO Technologies, Inc. is a dedicated data communication and networking company. With professional experiences in design, production, marketing and service support, we deliver the full range networking products including Gigabit Ethernet, Fiber Optic, Wireless LAN, Switches, Hubs, LAN cards, PCMCIA adapters, Converter, Transceivers. As well as Internet Telephony Gateway, Print Servers, Internet Sharing Servers and many others.

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