



## UGL2454-APE

### Wireless-G PoE Access Point

Linking to Internet with Express Turbo Mode



#### FEATURES

- Wi-Fi compliant with IEEE 802.11g and 802.11b
- IEEE802.3af Power Over Ethernet (PoE) standard
- Supports turbo mode up to 72Mbps data transfer
- Supports Ad Hoc mode, Infrastructure mode, AP Bridge, AP Bridge WDS mode and Repeater mode
- Supports a switch for selecting AP client or AP mode
- Supports 64/128-bit WEP, WPA (TKIP with IEEE 802.1x ), WPA2 and AES wireless data encryption
- 2.4GHz ISM band, no license required for operation
- Supports DHCP server & firmware upgrade via Web
- Supports Authentication for wireless connectivity based on ESSID
- Provides MAC access control & hidden SSID function
- Quick setup wizard and Web based user interface for easy configuration and remote management
- Provides wireless reverse SMA detachable antenna
- Compact size for desktop and magnetic wall-mount
- Easy-to-read LEDs provide instant operating status

#### Package Contents

- One Wireless-G PoE Access Point
- One Reverse SMA 2dBi Detachable Antenna
- One Quick Installation Guide
- One Setup Utility CD-ROM
- One External AC Power Adapter

#### OVERVIEW

UGL2454-APE is Wi-Fi compliant with both 802.11g/b dual standards. It supports IEEE802.3af Power Over Ethernet (PoE) standard that provides power and data over existing network cables. It eliminates the need for electricians or extension cords while installing new wireless expanding equipments. Therefore, UGL2454-APE can save space, reduce cables and eliminate the requirement for the dedicated electrical outlets to lower the installation cost. This PoE technology is suitable for small business, school campus, bookstore, coffee shop with internet hot spot, or enterprise wireless network environments.

The UGL2454-APE Wireless Access Point with turbo mode function boost unbeatable performance up to 72Mbps, 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.

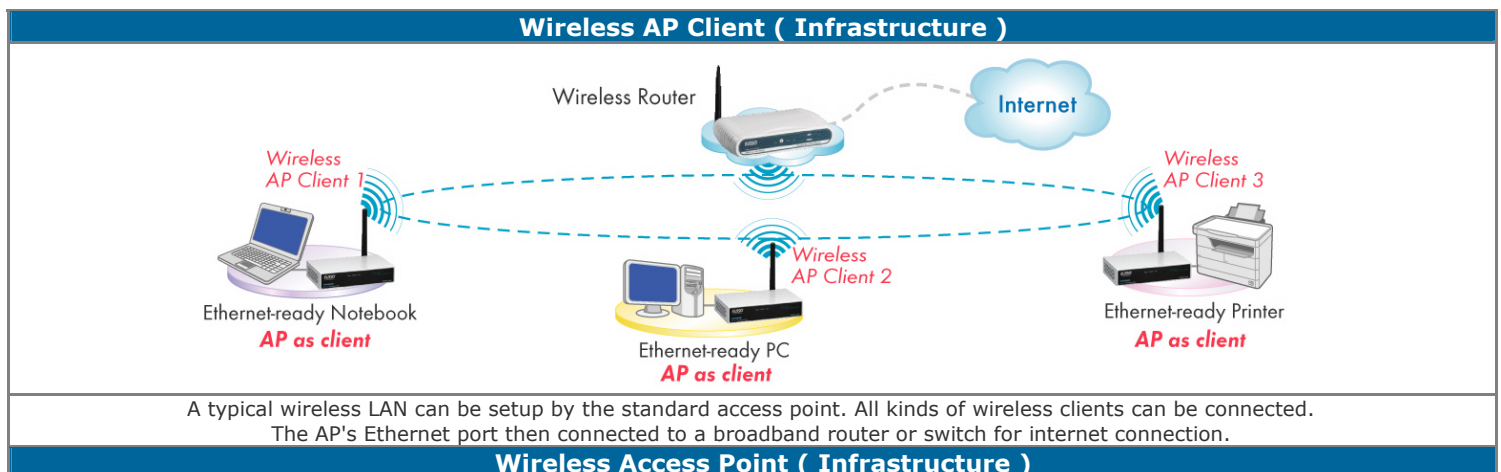
The UGL2454-APE provides WDS bridging function, allowing users to connect two or more Access Points together. It also provides Direct Sequence Spread Spectrum (DSSS) operation for transparent bridging and roaming capabilities for wireless nodes. This roaming feature makes notebooks or wireless devices portable to move everywhere within wireless signal coverage. It 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.

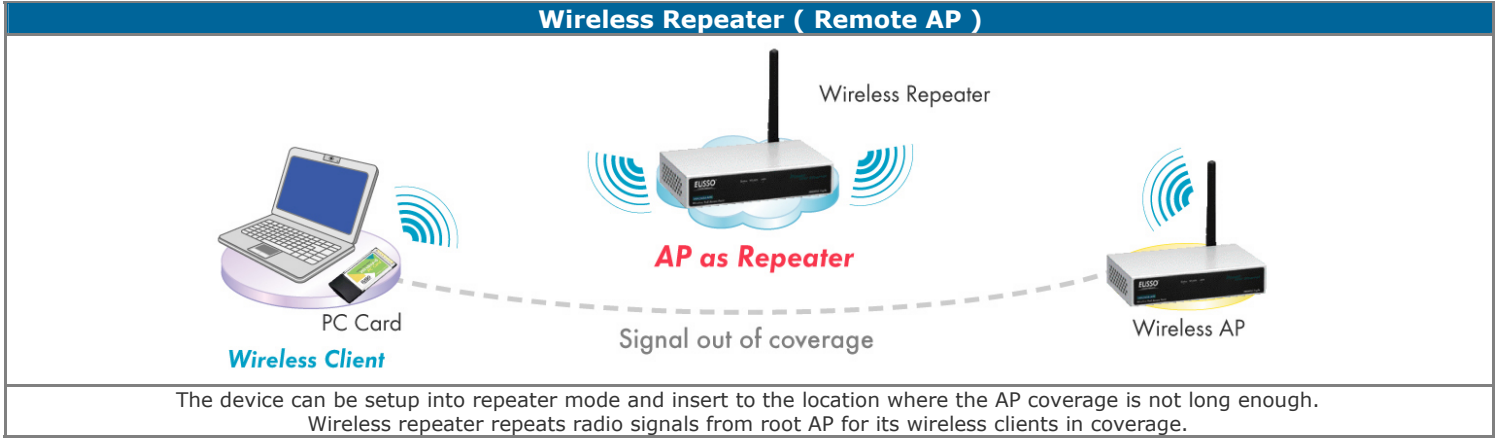
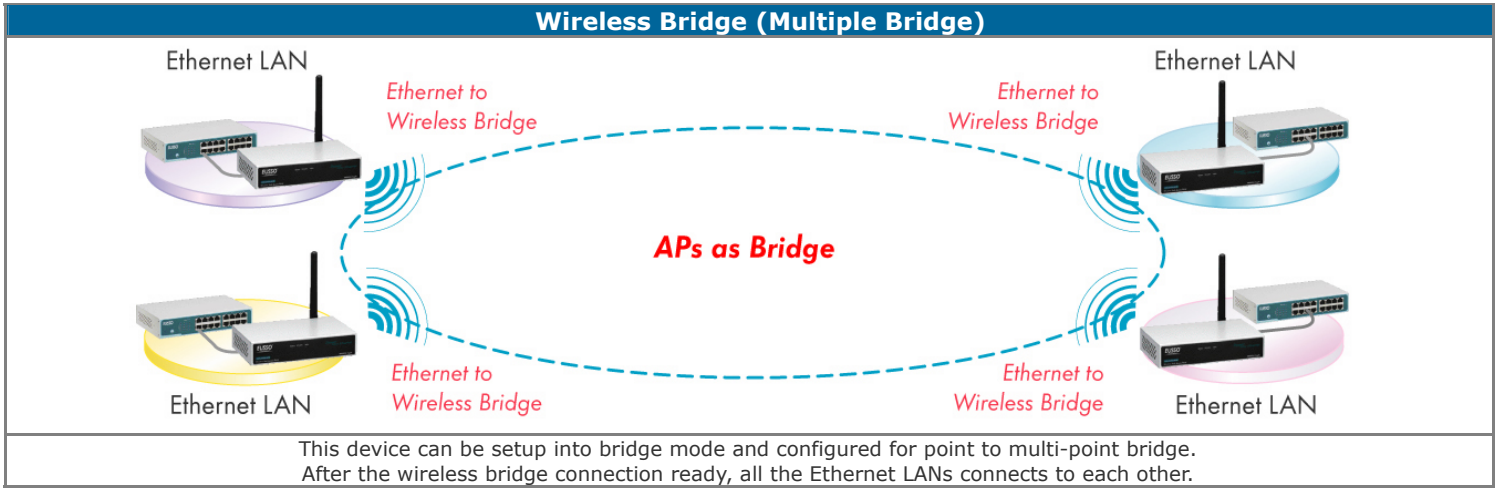
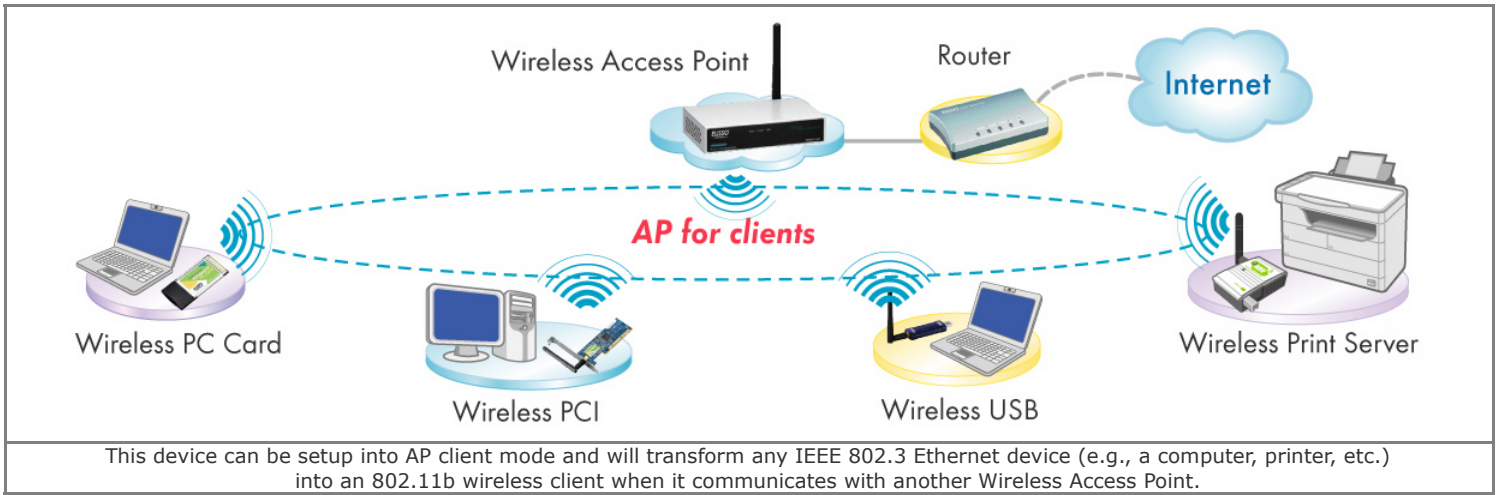
## SPECIFICATIONS

Wireless LAN Specifications	
<b>Standards</b>	IEEE802.11b 11Mbps Wireless LAN IEEE802.11g 54Mbps Wireless LAN IEEE802.3af Power over Ethernet IEEE802.3 10Base-T; IEEE802.3u 100Base-TX; IEEE802.3x Full-duplex Operation and Flow Control
<b>Data Rate</b>	802.11g: 54 / 48 / 36 / 24 / 18/ 12 / 9 / 6 Mbps auto fallback 802.11b: 11 / 5.5 / 2 / 1 Mbps auto fallback Up to 72Mbps when Turbo Mode enabled
<b>Frequency Band</b>	2.4GHz ISM (Industrial Scientific Medical) Band
<b>Operating Modes</b>	Ad Hoc Mode Infrastructure Mode AP Bridge Mode AP Bridge WDS Mode Repeater Mode
<b>Radio Channel</b>	1 ~ 14 channels (Universal Domain Selection)
<b>RF Output Power</b>	16 – 18 dBm (typical)
<b>Receiver Sensitivity</b>	54Mbps OFDM, 10% PER, -68dBm 11Mbps CCK, 8% PER, -86dBm 1Mbps BPSK, 8% PER, -93dBm
<b>Data Security</b>	64/128-bit WEP WPA (TKIP with 802.11x), WPA2 and AES
<b>Media Access Control</b>	CSMA/CA with ACK

Hardware Specifications	
<b>Interface</b>	1 x 10/100Mbps RJ-45 LAN Port with PoE Wireless Access Point Default Reset Button AP / Client DIP Switch
<b>Installation</b>	Desktop, Wall-Mounting ( with Magnet )
<b>Memory</b>	Flash: 2MB ,SDRAM: 8MB
<b>LED</b>	Power, LAN, WLAN
<b>Dimension</b>	120 ( L ) x 75 ( W ) x 25 ( H ) mm
<b>Power</b>	PoE or External Power Adapter, 12VDC, 1A
<b>Weight</b>	300g (Net)
<b>Operating Temperature</b>	0° ~ 40°C (32°F ~ 104°F)
<b>Storage Temperature</b>	-10° ~ 70°C (-14°F ~ 140°F)
<b>Antenna type</b>	1 x 2.4GHz Detachable Antenna with Reverse SMA connector
<b>Humidity</b>	10 ~ 95% non-condensing
<b>Compliant</b>	FCC Class B, CE Mark, Wi-Fi Compliant

## APPLICATION DIAGRAM





**ORDERING INFORMATIONS**

Model	Description
UGL2454-APE	Wireless-G PoE Access Point with Turbo Mode ( with Magnet )

*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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