



UGL2454-APA

54/108Mbps Wireless-G Access Point
Linking your network with Super G AP/Repeater

FEATURES

- Dual standards IEEE 802.11g and 802.11b compliant
- Provides 10/100M LAN port for wireless to wired network connection
- High performance Super G mode up to 108Mbps data transfer rate for 802.11g Turbo function
- Advanced wireless application as AP, AP-Client, bridge or repeater mode configurable
- Automatically fallback 11g data rate at 54, 48, 36, 24, 18, 12, 9, 6 Mbps and 11b at 11, 5.5, 2,1 Mbps
- Strong network security with 802.1X authentication, and 64/128-bit WEP encryption
- Supports WPA (Wi-Fi Protected Access) for both 802.1x and WPA-PSK
- Supports web-based user interface and telnet management for advanced users
- Support 64/128/152 bit WEP, WPA (Wi-Fi Protected Access) and Access Control List for security
- Support wireless infrastructure mode and WDS (Wireless Distribution System) Function

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 b, can be sustained.

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 2.4GHz 802.11g/b Wireless Access Point with optional Super G and turbo 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.

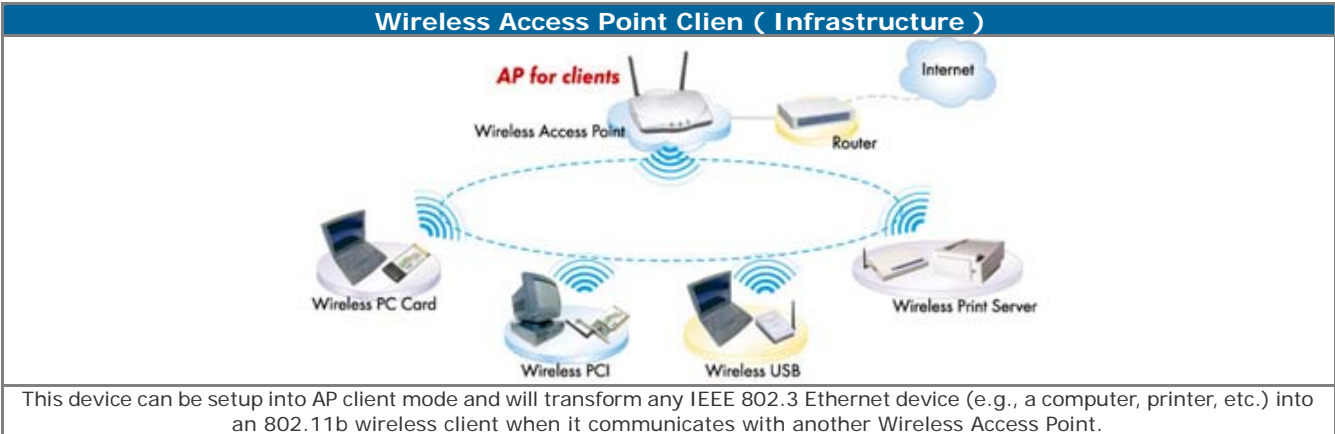
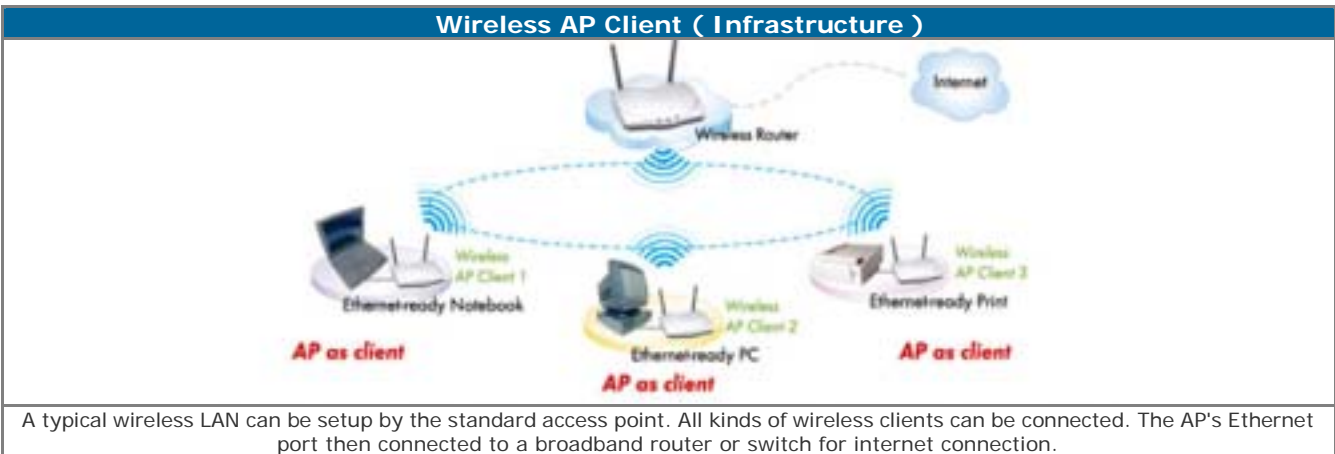
SPECIFICATIONS

Wireless LAN Specifications	
Wireless Standards	IEEE 802.11g, IEEE 802.11b
Data Rate	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 108Mbps when Super G enabled
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	0dBm gain with reverse SMA connector
RF Output Power	16 – 18 dbm (typical)
Receiver Sensitivity	54Mbps OFDM, 10% PER, -68dBm 11Mbps CCK, 8% PER, -82dBm 6Mbps OFDM, 10% PER, -88dBm 1Mbps BPSK, 8% PER, -89dBm
Data Security	WPA-WiFi Protected Access (64,128, 152-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 Part 15 Class B (USA) ETSI, CE (Europe) WiFi Compliant

Software Specifications	
IP Address Setting	Obtain IP Automatically (DHCP), Fixed IP IP Address, Subnet mask, Default Gateway
Device Information	MAC address, Software version, System name and system contact
AP Mode Setting	Access Point Point to Point Bridge: 1 remote AP MAC address Point to Multi-Point Bridge: 8 remote AP MAC address AP Repeater: 1 Root AP MAC address AP Client: 1 Root AP MAC address
Wireless Parameter Setting	SSID and SSID Broadcast Enable/disable Radio channel selection Transmit Rate: Auto, 54/48/36/24/18/12/11/9/6/5.5/2/1-Mbps Beacon Interval: 20 ~1000 DTIM (Delivery Traffic Indication Message): 1~255 Fragmentation Length: 256~2364 RTS Length: 256~2346 Transmit Power: Full, Half(-3dB), Quarter(-6dB), Eighth(-9dB), Min. IEEE802.11g Only Mode: Enable/Disable Radio: On/Off
Super G Mode	Disabled Super without Turbo Super with Static Turbo Super with Dynamic Turbo
Access Control	MAC address Control Accept or Reject List
Security	Administrator ID and password Authentication: Open System, Shared Key, WPA Encryption: Disabled/Enabled Key Type: Hex/ASCII Key Size: 64/128/152-bit
Tools	Setup Wizard for Wireless Basic and Security settings Telnet service enable/disable Save and restore configuration setting file Restore factory default setting Firmware upgrade
Status	Device IP Information: MAC address, Get IP from, IP address, Default gateway Wireless LAN Status: SSID, Channel, Rate, Security Level

Hardware Specifications	
Standard Compliance	IEEE 802.3 10Base-T IEEE 802.3u 100Base-TX IEEE 802.11g IEEE 802.11b
Interface	LAN: One 10/100Base-T/TX RJ-45 ports Wireless Access Point One reset button for factory default setting
Chipset	Wireless: Atheros
LED Display	Power, LAN, Wireless LAN
Installation	Desktop Wall mounting
Dimension	142 (L) x 109 (W) x 31 (H) mm
Certification	EMI/EMC: FCC Class B, CE Mark
Environmental	Operating Temperature: 0° ~ 55 (32° ~ 149) Storage Temperature: -20° ~ 75 (4° ~ 167) Humidity: 95% Maximum (non-condensing)
Power	External power adapter, 5VDC, 2A

Application Diagram



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
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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.

2005/3/4

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