






Gemini RG21S



-  **AC2600**
Max. speed up to 800Mbps (2.4GHz) & 1733Mbps (5GHz)
-  **MU-MIMO**
Simultaneous data to multiple devices
-  **Smart Roaming**
Always connected Wi-Fi with add-on Edimax extender
-  **VPN**
Remote network access with security & privacy
-  **Easy Setup**
Use a smart phone/tablet, no CD required

AC2600 MU-MIMO Gigabit Home Wi-Fi Roaming Router with VPN & Access Point

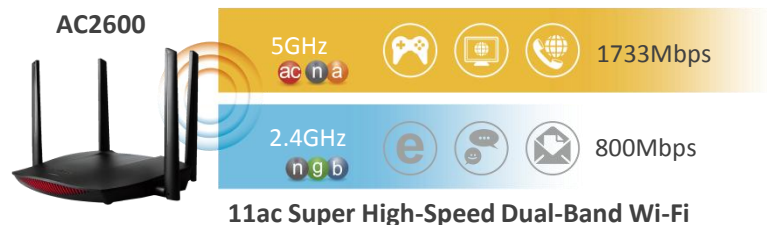
Introduction

For anyone who's experienced video streaming interruptions or online gaming lag, the Edimax Gemini RG21S is designed to ensure games and movies run smooth and fast. With the latest 11ac Wave 2 technology and a host of other features the RG21S offers enormous improvements in Wi-Fi speed, quality and reliability. Featuring AC2600 high speed Wi-Fi and MU-MIMO technology for simultaneous connections to multiple devices, as well as smart-roaming support – the Gemini RG21S brings better performance, lower latency and super dependable high-speed Wi-Fi for your movies and games.

It's an ultra-fast 802.11ac Wi-Fi router with dual-band data rates of 1733Mbps at 5GHz and 800Mbps at 2.4GHz perfect for smooth 4K streaming and lightning fast file transfers. MU-MIMO (Multiple User - Multiple Input Multiple Output) technology serves multiple devices simultaneously and is ideal for busy networks, providing better efficiency and less buffering. And with Edimax add-on roaming devices, RE11S range extender, the RG21S's smart roaming function automatically detects and switches your device to the best available Wi-Fi signal – for a seamless Wi-Fi experience as you move around your home.

AC2600 Super High-Speed Wi-Fi

Next generation Wi-Fi router with 802.11a/b/g/n/ac standards and speeds of up to 800Mbps at 2.4GHz and 1733Mbps at 5GHz. Upgrade your home Wi-Fi to super high-speed 802.11ac and enjoy faster video streaming, online gaming and data transfers.



Multi-Device Efficiency

MU-MIMO (Multiple User - Multiple Input Multiple Output) technology serves multiple devices simultaneously instead of one at a time, for better performance and efficiency on networks with multiple devices. Four streams with blistering 11ac Wave 2.



RE11S Roaming Extender
Network SSID = Edimax



RG21S Roaming Router
Network SSID = Edimax

Smarter Wi-Fi Roaming

A seamless connection while you move around your home without hassle of switching SSIDs (network name). Your extender and router use the same SSID for seamless roaming* that automatically switches your Wi-Fi device to the best signal. (*Use with an Edimax Gemini RE11S add-on extender for always-connected Wi-Fi.)

Flexible Concurrent Dual-Band Connectivity

Providing simultaneous 2.4GHz (802.11n) and 5GHz (802.11ac) wireless network connectivity for maximum flexibility of use and the best of both worlds.

5GHz (Up to 1733Mbps)
Interference-Free
HD Video and Gaming

Online Gaming HD Video Streaming VoIP Calling

ac **n** **a**

Concurrent Dual-Band

AC2600: 1733Mbps (5GHz) + 800Mbps (2.4GHz)

2.4GHz (Up to 800Mbps)
More Supported Devices
Basic Internet Applications

Web Browsing Online Chat Email and Downloading

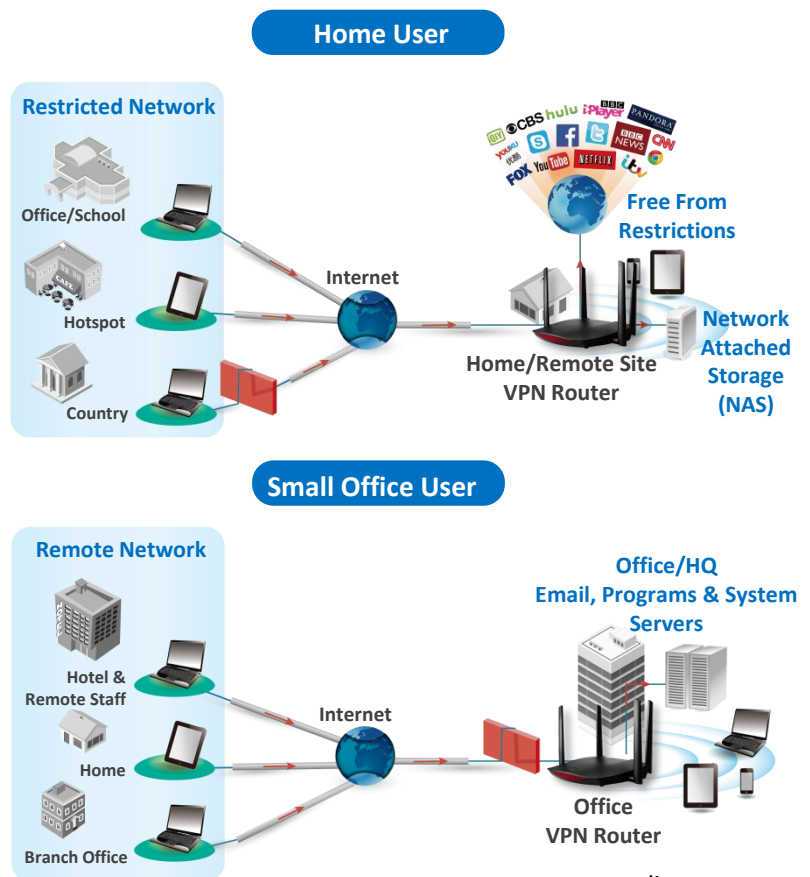
n **g** **b**

VPN Remote Network Access for Privacy & Security

Built-in Virtual Private Network (VPN) support for easy VPN access on all your devices. VPNs enable you to access secure, remote networks from anywhere and can offer privacy and security online. Log in to your work/school network remotely or avoid geoblocking, protect privacy on public Wi-Fi and bypass Internet censorship.

Home Users: Avoid regional restrictions and access geoblocked content such as Netflix or iPlayer from anywhere. Ensure your privacy and anonymity online and defeat censorship and other location-based content restrictions. You can also remotely access your home network when you're away, and use your encrypted VPN for security when out and about using potentially unsafe public Wi-Fi hotspots.

Small Office Users: Enable your employees to access company resources remotely such as email, documents saved on the company server and any programs/systems when they are outside the office.



Guest Network

Supports a guest network to provide connectivity while isolating guests from your primary network. (Wi-Fi router mode only)



Smart iQ Setup

Features iQ Setup for smart, automatic and quick installation with no CD required.



FEATURES

- **AC2600 High-Speed Concurrent Dual-Band:** Max speed up to 800Mbps (2.4GHz) and 1733Mbps (5GHz) with 802.11ac Wi-Fi standard and backward compatible with 802.11a/b/g/n standards
- **Multi-Device (MU-MIMO):** Efficient MU-MIMO (Multiple User - Multiple Input Multiple Output) technology serves multiple devices simultaneously
- **Smart Roaming:** Always-connected Wi-Fi using an add-on Edimax Gemini RE11S extender for seamless, fast roaming Wi-Fi
- **Single Sign On (SSO):** Zero-configuration setup for add-on Edimax roaming devices
- **VPN (Virtual Private Network):** Access secure remote networks from anywhere and protect privacy on public Wi-Fi and bypass Internet censorship
- **IPv6 Supported:** Ready for the next Internet Protocol version set for global adoption, with more available IP addresses, easy management and stronger security for better network usability and user experiences
- **Multiple SSIDs & VLAN:** Supports up to 8 SSIDs (2.4GHz x 4 & 5GHz x 4) and provides security to protect confidential or critical network resources (access point mode only)
- **Guest Network:** Provides secure, private connectivity while isolating guests from your primary network (Wi-Fi router mode only)
- **Smart iQ Setup:** Quick, smart and automatic web-based installation using a smartphone, tablet or computer with no CD required
- **iQoS Bandwidth Management:** Efficient Internet bandwidth management
- **Beamforming Technology:** Improved Wi-Fi performance with better range, reliability and coverage thanks to targeted, directional signals
- **2 Modes in 1:** Functions as either a Wi-Fi router or access point

SPECIFICATIONS

RG21S AC2600 MU-MIMO Gigabit Home Wi-Fi Roaming Router with VPN & Access Point

HARDWARE

Interface	<ul style="list-style-type: none"> • 1 x RJ-45 10/100/1000Mbps WAN port • 4 x RJ-45 10/100/1000Mbps LAN port
Button	<ul style="list-style-type: none"> • WPS/Reset buttons
LED Indicator	<ul style="list-style-type: none"> • Power
Antenna	<ul style="list-style-type: none"> • 4 x detachable antennas (2 x 2.4GHz and 2 x 5GHz)
Memory	<ul style="list-style-type: none"> • 16MB NOR Flash • 64MB RAM
Power Adapter	<ul style="list-style-type: none"> • DC 12V, 1.5A
Dimensions	<ul style="list-style-type: none"> • 160(W)mm x 115(D)mm x 31(H)mm
Weight	<ul style="list-style-type: none"> • 170g

WIRELESS

Standards	<ul style="list-style-type: none"> • 802.11 a/b/g/n/ac
Frequency	<ul style="list-style-type: none"> • 5GHz and 2.4GHz concurrent dual-band
Maximum Data Speed	<ul style="list-style-type: none"> • 5GHz: 1733Mbps • 2.4GHz: 800Mbps
Receive Sensitivity	<ul style="list-style-type: none"> • 5GHz: <ul style="list-style-type: none"> - 11a(6Mbps): -89±2dBm - 11a(54Mbps): -72±2dBm - 11n(20MHz, MCS7): -70±2dBm - 11n(40MHz, MCS7): -68±2dBm - 11ac(80MHz, MCS9): -56±2dBm • 2.4GHz: <ul style="list-style-type: none"> - 11b(1Mbps): -93±2dBm - 11b(11Mbps): -82±2dBm - 11g (6Mbps): -90±2dBm - 11g (54Mbps): -72±2dBm - 11n(20MHz, MCS7): -70±2dBm - 11n(40MHz, MCS7): -68±2dBm
Output Power	<ul style="list-style-type: none"> • 5GHz: <ul style="list-style-type: none"> - 11a(6Mbps): 17±1.5dBm - 11a(54Mbps): 15±1.5dBm - 11n(20MHz, MCS7): 15±1.5dBm - 11n(40MHz, MCS7): 15±1.5dBm - 11ac(80MHz, MCS9): 14±1.5dBm • 2.4GHz: <ul style="list-style-type: none"> - 11b (1Mbps): 17±1.5dBm - 11b (11Mbps): 17±1.5dBm - 11g (6Mbps): 17±1.5dBm - 11g (54Mbps): 15±1.5dBm - 11n (20MHz, MCS7): 15±1.5dBm - 11n (40MHz, MCS7): 15±1.5dBm
Guest Network	<ul style="list-style-type: none"> • 5GHz guest network x 1 • 2.4GHz guest network x 1
Security	<ul style="list-style-type: none"> • 64/128-bit WEP, WPA and WPA2 security • Hardware & software WPS configuration • QoS for critical operations, SPI anti-DoS firewall

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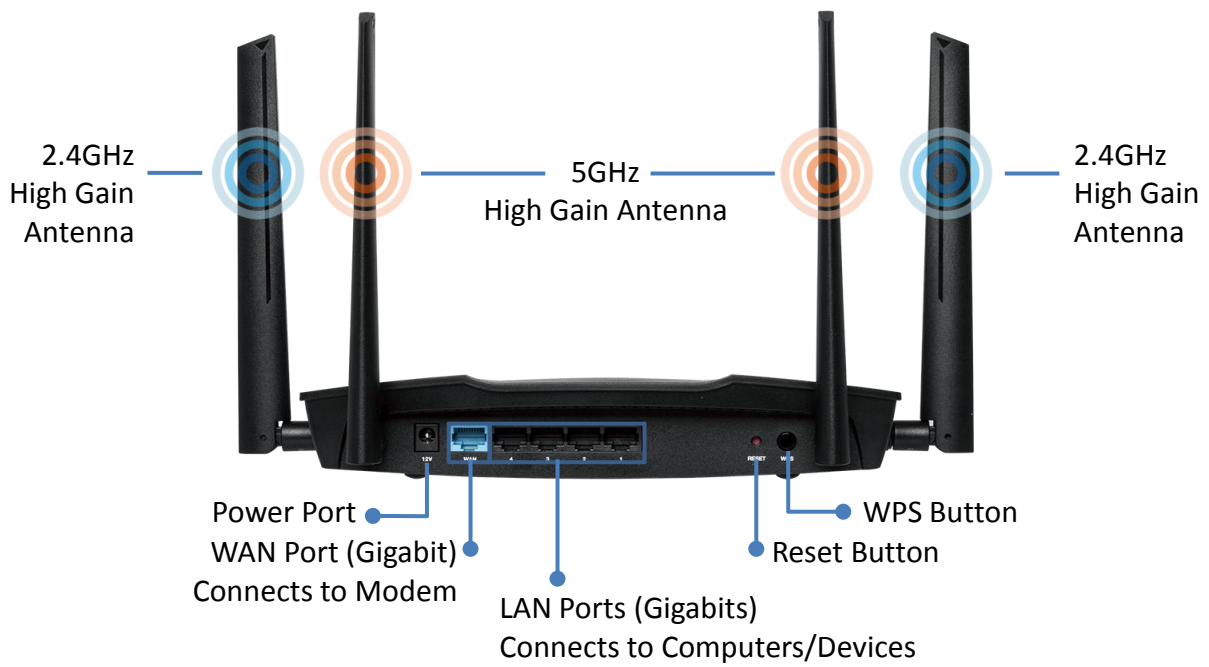
SOFTWARE FEATURES

Management	<ul style="list-style-type: none"> • Multi-language user interface • Remote management, access control • System status and security log • Firmware upgradable • Smart iQ Setup, no CD required
WAN	<ul style="list-style-type: none"> • Protocol: PPPoE, Static IP, Dynamic IP, PPTP and L2TP • Supports WISP connection mode • Supports RJ-45 cable
iQoS	<ul style="list-style-type: none"> • Intelligent Quality of Service for smart bandwidth management, WMM
VPN Pass-Through	<ul style="list-style-type: none"> • IPSec, PPTP
Port Forwarding	<ul style="list-style-type: none"> • Virtual Server, IGMP Proxy, UPnP, DMZ
DHCP	<ul style="list-style-type: none"> • Server, Client, DHCP Client List, Address Reservation
Dynamic DNS	<ul style="list-style-type: none"> • DynDns, DHS, Zoneedit
Access Control	<ul style="list-style-type: none"> • IP/Mac Filter
Firewall Security	<ul style="list-style-type: none"> • DoS, SPI Firewall, IP Address Filter
Protocols	<ul style="list-style-type: none"> • Supports IPv4 and IPv6
Guest Network	<ul style="list-style-type: none"> • 5GHz guest network x 1, 2.4GHz guest network x 1
SSID	<ul style="list-style-type: none"> • Up to 4 SSIDs (2.4GHz x 2 and 5GHz x 2) in Wi-Fi router mode (Each band with 1 main SSID and 1 guest SSID) • Up to 10 SSIDs (2.4GHz x 5 and 5GHz x 5) in access point mode (Each band with 1 main SSID and 4 multiple SSIDs)
Schedule	<ul style="list-style-type: none"> • Wi-Fi scheduling
Operation Mode	<ul style="list-style-type: none"> • Wi-Fi router and access point

OTHERS

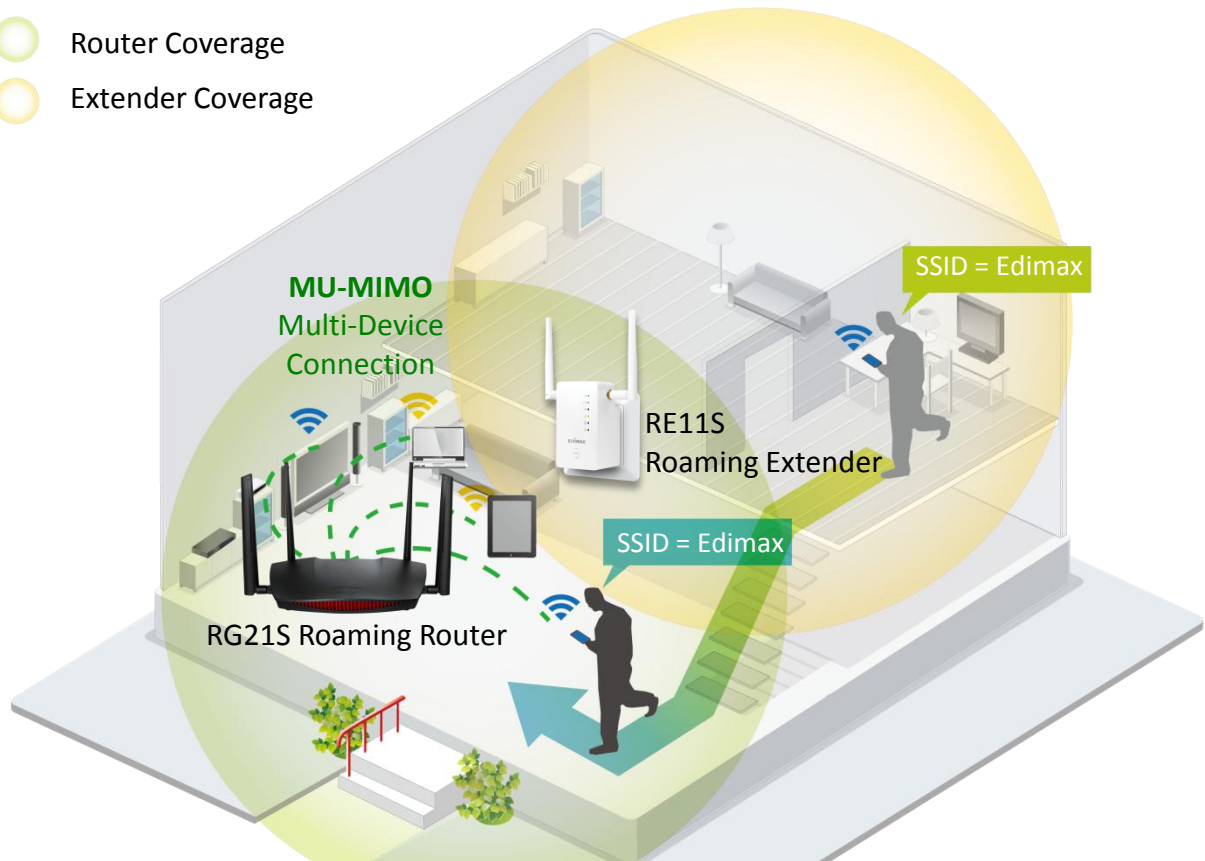
Certification	<ul style="list-style-type: none"> • CE, FCC, RoHS
Environmental Condition	<ul style="list-style-type: none"> • Operating humidity: 10 - 90% (non-condensing) • Operating temperature: 32 - 104°F (0 - 40°C)
System Requirement	<ul style="list-style-type: none"> • Cable or xDSL Internet connection (RJ-45 cable modem or RJ-45 ADSL modem) • Computer (with Fast Ethernet adapter or wireless adapter) running Windows, Mac OS or Linux • Smartphone, tablet or laptop running iOS 4 or Android 4 and above • Web browser (Internet Explorer, Google Chrome, Firefox, Opera or Safari)
Package Content	<ul style="list-style-type: none"> • RG21S Wi-Fi router • Quick installation guide • CD-ROM (including setup wizard, multi-language quick installation guide and user manual) • Power adapter • Ethernet cable

HARDWARE INTERFACE



APPLICATION DIAGRAM

- MU-MIMO, Multi-Device Connected Simultaneously
- ➔ Wi-Fi Roaming
- Router Coverage
- Extender Coverage



*Maximum performance, actual data rates, and coverage will vary depending on network conditions and environmental factors. Product specifications and design are subject to change without notice.