

Wireless Dual Band Gigabit VoIP Router AX1800

1 GE WAN | 3 GE LAN | 802.11ax@2.4GHz&5GHz | VoIP | USB

VG-8028u



Comtrend's VG-8028u is a VoIP Gateway with the capability of providing strong and stable wireless connectivity with its industry leading Wi-Fi 6 configuration; Dual-Band 2T2R + 2T2R supports 802.11ax, also referred as Wi-Fi 6. It was created to improve network efficiency and provide even faster network speed. Instead of letting network tasks compete each other for resources, 802.11ax Wi-Fi focuses on scheduling access to guarantee performance of each end device.

KEY FEATURES

- **Raw Speed 40% Faster:** Provides blazing fast speed to the home services.
- **Wi-Fi 6 (802.11ax):** Dual Band 2T2R + 2T2R, industry leading Wi-Fi configuration.
- **BSS Coloring:** Capable of marking frames from neighbor's networks, so that your router can ignore them and only focus on your network tasks making your router much more efficient by getting rid of extra work.
- **Dual-Core Processor for Faster Processing:** The Router has a built-in dual core processor. The two cores enable parallel processing and increase speeds when managing multiple instructions from your devices
- **OFDMA and MU-MIMO:** Supports both up-link and down-link, allows efficient data transmission for more devices at the same time.
- **Higher Spectral Efficiency:** 25% Increased transmitted efficiency featured by 1024-QAM.
- **Remote Management:** TR-069 / TR-181 standard data model for ISP remote control.

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SPECIFICATIONS

HARDWARE	
Flash	128M Byte
RAM	DDR3: 256M Byte
Interfaces	1 x GE WAN 3 x 10/100/1000Mbps LAN Ports 1 x FXS Port 1 x USB Port (3.0)
LED Indicators	Power, Internet, WAN, ETH1, ETH2, ETH3, 2.4G Wi-Fi, 5G Wi-Fi, Phone 1, USB
Antenna	Dual-Band Antenna x 4, 5dBi fixed antennas
Buttons	Power ON/OFF Button, WPS/WiFi Button, Reset Button
Dimensions (W X D X H)	232 x 124 x 31mm
Power Supply	DC 12V 1.5A
RF SPECIFICATIONS	
Wireless Standard	802.11ax/ac/n/g/b/a
Frequency Band	2.4GHz, 5GHz
Certificate	CE, RoHS
ADVANCED FEATURES	
Wi-Fi Features	MU-MIMO, Band Steering, Beamforming, BSS coloring, OFDMA
Wi-Fi Security	WEP, WPA / WPA2, WPA-PSK/ WPA2-PSK encryption
Management Function	TR-069 (TR-181), HTTP, HTTPS, TELNET, SSH
Software features	WAN Type: Dynamic IP/Static IP/PPPoE DHCP: Server, Client, DHCP Client List, Address Reservation Quality of Service: WMM, Bandwidth Control Port Forwarding: Virtual Server, Port Triggering, UPnP, DMZ VLAN: 802.1Q tag VLAN, VLAN transparent mode, translation mode trunk mode Access Control: Parental Control, Local Management Control, Host List, Access Schedule, Rule Management
ENVIRONMENT	
Temperature	Operating Temperature: 0°C~40°C (32°F~104°F) Storage Temperature: -40°C~70°C (-40°F~158°F)
Humidity (Non-condensing)	Relative Humidity: 10%~90%, Storage Humidity: 5%~95%,

COMTREND

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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.