Wi-Fi 7 10GEth. Router BE7200

802.11be | 4T5R-Dual-Band | BE7200 | VoIP | 10GE | TR-069

VG-8031u

Introducing the **VG-8031u**, a state of the art Wi-Fi 7 Router designed to transform your home or business network. Built on the advanced latest Airoha platform, it supports dual-band 802.11be, providing lightning-fast, reliable connectivity. With 10 Gigabit Ethernet WAN and LAN ports, 4 x Gigabit LAN ports, USB, and dual FxS ports, this router is the ultimate solution for high-performance networking. Whether you're streaming, gaming, or managing a smart home, the VG-8031u delivers unmatched speed, coverage, and versatility, ensuring your network is always a step ahead.

KEY FEATURES

- **Cutting-Edge Dual-band Wi-Fi 7:** Experience blazing-fast wireless connectivity with advanced 4T5R Dual-band Wi-Fi 7 technology, providing exceptional coverage and performance.

- **4096-QAM (4K-QAM):** Enables each symbol to carry 12 bits rather than 10 bits, resulting in 20% higher theoretical transmission rates than Wi-Fi 6's 1024-QAM.

- **320MHz Bandwidth:** Ultra-fast, high-capacity data transmission for seamless connectivity

- **Ultra-Fast 10GE Connectivity:** Enjoy lightning-fast internet speeds with 10 Gigabit Ethernet WAN and LAN ports for seamless online experiences.

- **Multi-Link Operation:** Enhanced performance by utilizing multiple links simultaneously for reduced latency.

- **Multiple Resource Units:** Efficiently allocates bandwidth to boost multi-device performance.

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SPECIFICATIONS

HARDWARE SPECIFICATIONS	
Main CPU	AN7581PT
Wi-Fi Chipset	Filogic 660
Flash	512MB
RAM	DDR4 512MB 16bit DDR4
Interface	1 x 10GE WAN Port + 1 x 10GE LAN Port + 4 x GE LAN Port, 1 x USB 3.0, 2 x FxS
Antenna	9 internal antennas
Button	1 x RESET. 1 x WPS/MESH. 1 x Wi-Fi/LED
LED	8LED, POWER、WAN、NET、2.4G、5G、TEL1、TEL2、MESH
Power Requirement	DC: 12V / 3A
RF SPECIFICATIONS	
Wireless Standard	IEEE 802.11be/ax/ac/n/g/b/a @2.4GHz IEEE 802.11be/ax/ac/n/g/b/a @5GHz
Frequency Band	2.4GHz (4x4), 5GHz (4x5)
ADVANCED FEATURES	
Wi-Fi Features	320MHz bandwidth, 4096-QAM, MLO, MRU
Internet Protocol	IPv4, IPv6
Wi-Fi Security	WPA-PSK, WPA2-PSK, WPA-PSK/ WPA2-PSK, WEP, WPA3-SAE, WPA2-PSK/WPA3-SAE
Management Function	Local GUI Management, TR-069 Remote Management
ENVIRONMENT & PHYSICAL	
Certification	CE, RoHS
Temperature Range	Operation: 0 to 40℃. Storage: -40 to 70℃
Humidity (non-condensing)	Relative Humidity: 5% to 90%. Storage Humidity: 5% to 95%.

COMTREND

Maximum performance, actual data rates, and coverage will vary depending on network conditions and environmental factors. Product specifications and design are subject to change.

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