

# Ethernet Router AX3000

2.5 GE WAN | 2.5 GE LAN | VoIP | USB 3.0 Host

## VG-8027u



**VG-8027u** is a FTTH router which provides one RJ-45 for 2.5Giga Ethernet WAN access, one 2.5Giga Ethernet port for LAN access, one FXS port and three Giga Ethernet ports for LAN access. The Wi-Fi 6 device exhibits the best end-user experience with the fastest Wi-Fi speeds, up to 4-times greater network capacity than Wi-Fi 5. The two wireless bands (2.4GHz & 5GHz) are separated in two dedicated Wi-Fi networks, supporting more end-user devices while reducing signal interference.

With 1\*USB3.0 host port the Ethernet Router provides high speed access to USB devices such as printer server, 3G dongle, HDD, and has future DLNA connectivity.

VG-8027u is designed for high speed applications and is suitable for triple play services by wired or wireless protocol.

### KEY FEATURES

- **2.5 Giga Ethernet:** Capable of providing high-speed (2.5Giga) connectivity.
- **VoIP (SIP):** Voice over Internet Protocol provisioning communications services rather than via PSTN.
- **OFDMA and MU-MIMO:** Supports both up-link and down-link, allowing efficient data transmission for more devices at the same time.
- **BSS Coloring:** Makes more efficient use of the Wi-Fi spectrum by reducing interference to ensure more efficient service to multiple connected devices in busy Wi-Fi environments.
- **802.11ax (1024 QAM):** Supports high throughput capability and compatible with 11a/b/g/n/ac.
- **Remote Management for Reduced Truck Rolls:** Supports TR-069 to easily setup, manage, troubleshoot and control the CPE remotely.

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## SPECIFICATIONS

Memory	<ul style="list-style-type: none"><li>Flash : Parallel NAND (128M Byte)</li><li>DDR3: 512M Bytes</li></ul>
Interfaces	<ul style="list-style-type: none"><li>1x Gigabit Ethernet WAN: 2500 Base-T, 1000 Base-T(802.3ab), 100 Base-Tx(802.3u), 10 Base-T(802.3u) Full-duplex or half duplex Ethernet, Auto-MDIX support, 802.3az Energy Efficient Ethernet</li><li>1x Gigabit Ethernet LAN: 2500 Base-T, 1000 Base-T(802.3ab), 100 Base-Tx(802.3u), 10 Base-T(802.3u) Full-duplex or half duplex Ethernet, Auto-MDIX support, 802.3az Energy Efficient Ethernet</li><li>3x Gigabit Ethernet LAN: 1000 Base-T(802.3ab), 100 Base-Tx(802.3u), 10 Base-T(802.3u) Full-duplex or half duplex Ethernet, Auto-MDIX support, 802.3az Energy Efficient Ethernet</li><li>1x FXS (VoIP)</li><li>1x USB 3.0</li></ul>
Buttons	<ul style="list-style-type: none"><li>Power Switch, WiFi On/Off, WPS, LED On/Off, Reset</li></ul>
LED Indicators	<ul style="list-style-type: none"><li>Power, LAN3, LAN2, LAN1, 2.5GE LAN, 2.5GE LAN, USB, Internet, WPS, WiFi 2G, WiFi 5G, Phone</li></ul>
Antenna	<ul style="list-style-type: none"><li>Internal PCB antenna (2.4GHz) : Internal single band antenna (3dBi)</li><li>Internal PCB antenna (5GHz) : Internal single band antenna (3dBi)</li></ul>
Power Input	<ul style="list-style-type: none"><li>12VDC/2A 100-240VAC, 50/60Hz</li></ul>
Dimensions	<ul style="list-style-type: none"><li>212x 141x 25.3mm</li></ul>
ENVIRONMENT	
Physical & Environmental	<ul style="list-style-type: none"><li>Operating (System Ambient) : 0 ~ 40 °C</li><li>Humidity : 5 ~ 95% (non-condensing)</li></ul>

## 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.