Wi-Fi 6 2.5GEth. 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	▪ Flash : Parallel NAND (128M Byte) ▪ DDR3: 512M Bytes
Interfaces	▪ 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 ▪ 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 ▪ 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 ▪ 1x FXS (VoIP) ▪ 1x USB 3.0
Buttons	▪ Power Switch, WiFi On/Off, WPS, LED On/Off, Reset
LED Indicators	▪ Power, LAN3, LAN2, LAN1, 2.5GE LAN, 2.5GE LAN, USB, Internet, WPS, WiFi 2G, WiFi 5G, Phone
Antenna	▪ Internal PCB antenna (2.4GHz) : Internal single band antenna (3dBi) ▪ Internal PCB antenna (5GHz) : Internal single band antenna (3dBi)
Power Input	▪ 12VDC/2A 100-240VAC, 50/60Hz
Dimensions	▪ 212x 141x 25.3mm
ENVIRONMENT	
Physical & Environmental	▪ Operating (System Ambient) : 0 ~ 40 ºC ▪ Humidity : 5 ~ 95% (non-condensing)

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