



GPON VoIP Gateway BE3600

GPON | Dual-Band Wi-Fi 7 | 2.5 Gigabit Ethernet | VoIP

GRG-4297u



Comtrend GRG-4297u is designed as a GPON ONT Gateway with capability to provide strong and stable wireless connectivity by its industrial leading Wi-Fi 7 configuration, Dual-Band (2.4GHz 2T2R, 5GHz 2T2R) GRG-4297u can fulfill most of demands for family use, with one GPON port as input of the internet source; one 2.5 Gigabit Ethernet port and three Gigabit Ethernet LAN, one RJ-11 VoIP ports and WiFi 7 BE3600.

| IEEE Standard | Max Data Rate | Bands | Bandwidth | Modulation | MIMO |
|---------------|---------------|--------------|---------------|----------------|--------------------------|
| 802.11be | 4G bps | 2.4GHz, 5GHz | up to 160 MHz | 4096-QAM OFDMA | 16 x 16 UL/DL MU-MIMO |

KEY FEATURES

- **Wi-Fi 7 (802.11BE):** Dual-Band Wi-Fi 7, industrial leading Wi-Fi configuration.
- **2.5 Gigabit Ethernet LAN port:** Capable to provide high-speed connectivity.
- **MLO:** As most current APs and Stations incorporate dual-band or tri-band capabilities.
- **Remote Management:** TR-069 / TR-181 standard data model for ISP remote control.

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SPECIFICATIONS

| HARDWARE SPECIFICATIONS | |
|---------------------------|--|
| Main CPU | RTL9607F |
| Wi-Fi Chipset | RTL8902A, RTL8932A |
| Flash | NAND Flash: 128M Byte |
| RAM | (Embedded) 4G Bits |
| Interfaces | GPON (SC/APC) x 1 2.5Gigabit Ethernet LAN x 1, Gigabit Ethernet LAN x 3 VoIP (FXS) x 1 |
| LED Indicators | Power, Internet, LOS, PON, USB, Phone, 2.5GE, GE1, GE2, GE3, 2.4G Wi-Fi, 5G Wi-Fi |
| Antenna | Dual-Band Antenna x 2 |
| Button | Power Switch, Wi-Fi On/Off, WPS, Reset, LED on/off |
| USB | USB 2.0 x 1 |
| Power Input | 12DVC/2.5A, 100-240ACV, 50/60Hz |
| RF SPECIFICATIONS | |
| Wireless Standard | 802.11be/ax/ac/n/g/b/a |
| Frequency Band | 2.4GHz, 5GHz |
| ADVANCED FEATURES | |
| Wi-Fi Features | 160MHz bandwidth, 4096-QAM, MLO, MUR |
| Wi-Fi Security | WPA, WPA2, WPA3 |
| Management Function | TR-069 (TR-181, TR-369), HTTP, HTTPS, TELNET, SSH |
| ENVIRONMENT | |
| Temperature | Operating: 0°C ~ 40°C (32°F ~104°F) Storage: -40°C ~ 70°C (-40°F ~158°F) |
| Humidity (Non-condensing) | Operating: 10 ~ 90% RH, non-condensing Storage: 5 ~ 90% RH, non-condensing |



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