

REVOTIK 1GE+1FE+1POTS+CATV WIFI ONT

Revotik RVGPON402W terminal devices are designed for fulfilling FTTH and triple play service demand of fixed network operators or cable operators. They were developed by V-Solution independently. These boxes are based on the mature Gigabit GPON technology, which have high ratio of performance to price, and the technology of 802.11n WiFi (2T2R), Layer 2/3, CATV receiver/WDM and high-quality VoIP as well. They are highly reliable and easy to maintain, with guaranteed QoS for different service. And fully compliant to ITU-T G.984 GPON standards.



SPECIAL FEATURES

DATA SERVICE FUNCTIONS

- Full speed non-blocking switching.
- 2K MAC address table.
- 64 full range VLAN ID.
- Support QinQ VLAN, 1:1 VLAN, VLAN reusing, VLAN trunk
- Integrated port monitoring, port mirroring, port rate limiting, port SLA, etc.
- Support auto polarity detection of Ethernet ports (AUTO MDIX).
- Integrated IEEE802.1p QoS with four level priority queues.
- Support IPv4 IGMP snooping and IPv6 MLD snooping.
- Support bridge, router and bridge/router mixed mode.

POTS SERVICE FUNCTIONS

- Call protocol: SIP(IMS compatible), seamless compatible with all popular call agent.
- Integrate heartbeat function and support active/standby call agent.
- Voice coding: ITU-T G.711/G.723.1(5.3K/6.3Kbit/s)/G.729, auto-negotiate with call agent.
- Echo cancellation exceeding ITU-T G.165/G.168-2002, up to 128ms tail length.
- Support high/low speed fax, bypass fax, and T38 fax.
- Support high speed MODEM(56Kbps) dial access.
- Support RFC2833 and redundant RFC2833, difference rings, MD5 authentication, call forward, call waiting, hot-line call, alarm clock, and all kinds of value-added voice service.
- Multi-party conferencing.
- Line testing according to GR-909.
- IP address assignment: dynamic PPPoE/DHCP Client and static IP.
- Support WEB, CLI,IVR,TR069.
- Call loss less than 0.01%.

WIFI SERVICE FUNCTIONS

- Integrated 802.11b/g/n, 300Mbps, 2T2R.
- Support 128 connections.
- Support WEP and WPA/WPA2 security protocols.

CATV SERVICE FUNCTIONS

- RF frequency: 45~875MHz.
- Turn on/off RF output remotely.
- RF level can be showed on PC Web real time.
- AGC Dynamic Range (dBm) :-6~+2
- RF Output Level (dBuV):80

TECHNICAL PARAMETERS

| Item | Parameters |
|-----------------------|-------------------------------------|
| Input optical power | (-18dBm) ~(+2dBm) |
| Optical return loss | ≥45 Db |
| Wavelength | 1550 +/- 10nm |
| RF frequency | 47~1000MHz |
| AGC Range | (-14)~(-5)/(-13)~(-4)/(-7)~(+2)dBm |
| C/N | ≥47dB |
| CTB | ≥60dB |
| CSO | ≥60dB |
| RF output lever | 82 dBuV (@-7dBm) |
| RF impedance | 75Ω |
| RF output return loss | ≥14 dB |

TECHNICAL PARAMETERS

| | |
|---------------------------|---|
| Item Model No | RVGPON402W |
| Main Chipset | Realtek |
| CPU | 600MHZ |
| Memory | 64M bytes DDR3 |
| Flash | 16M SPI |
| PON Port Type | BOSA |
| PON interface | 1 GPON interface, SC single-fiber/double-fiber, Upstream 1.25Gbps, Downstream 2.5Gbps |
| Wavelength | GPON Tx 1310nm, GPON Rx 1490nm |
| Sensitivity | <-27dBm (PX20+) |
| Overload | >-3dBm (PX20+) |
| Optical interface | SC/APC connector |
| LAN interface | 1 x 10/100/1000Mbps+1 x 10/100Mbps auto adaptive Ethernet interfaces, RJ45 connectors |
| CATV | 1 CATV F Connector |
| Downstream POTS interface | 1 FXS, RJ11 connectors |
| Indicators | 8 indicators, for status of power supply, PON, LAN, POTS and CATV. |
| WLAN | Compliant with IEEE802.11b/g/n, 300Mbps, 2T2R two external antenna |
| WLAN throughput | 100Mbps @ 40users, 1518bytes, no-encryption, 107Mbps @ 40users, 512bytes, encryption |
| DC power supply | +12V,1.5A, external AC-DC power adaptor |
| Power consumption | ≤10W |
| Operating condition | Operating temp: -5~+55°C, Operating humidity:10~90% (non-condensed) |
| Storing condition | Storing temp: -30~+60°C, Storing humidity:10~90% (non-condensed) |
| Dimension | 185mm*33mm*122mm (W*H*D) |
| Net weight | 0.3Kg |