Revotik®

REVOTIK 2GE+1POTS AC WIFI ONU

Revotik RVEPON302WAC terminal devices are designed for fulfilling FTTH and triple play service demand of fixed network operators or cable operators. These boxes are based on the mature Gigabit EPON technology, which have high ratio of performance to price, and the technology of 802.11acWiFi (4T4R), Layer 2/3, and high-quality VoIP as well. They are highly reliable and easy to maintain, with guaranteed QoS for different service. And they are fully compliant with technical regulations such as IEEE802.3ah and technical requirement of EPON Equipment.

FUNCTION DESCRIPTION

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, etc.
- 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/ac
- Support 128 connections.
- Support WEP and WPA/WPA2 security protocols.

TECHNICAL PARAMETERS

Item Model No	RVEPON302WAC
Main Chipset	Realtek
CPU	600MHZ
Memory	64M bytes DDR3
Flash	16M SPI
PON Port Type	BOSA
PON interface	1 EPON interface, SC single-mode/single-fiber, symmetric 1.25Gbps
Wavelength	EPON Tx 1310nm, EPON Rx 1490nm
Sensitivity	<-27dBm(PX20+)
Overload	>-3dBm(PX20+)
Optical interface	SC/PC connector
LAN interface	2 x 10/100/1000Mbps auto adaptive Ethernet interfaces, RJ45 connectors
Downstream POTS interface	1 FXS, RJ11 connectors
Indicators	7 indicators, for status of power supply, PON, LAN and POTS .
WLAN	Compliant with IEEE802.11b/g/n/ac, 2.4GHz Operating frequency: 2.400-2.4835GHz 5.0GHz Operating frequency: 5.725-5.875GHz
WLAN throughput	Support MIMO, 4T4R,5dBi external antenna, rate up to 1.167Gbps Support: multiple SSID, TX power: 11n-22dBm/11ac--24dBm
DC power supply	+12V,1A, external AC-DC power adaptor