

XPON+1GE+1FE+1 Voice

FS-HGR1101V

Highlights:

- ✓ LAN
- ✓ FTTH
- ✓ SOHO
- ✓ DHCP
- ✓ Plug and Play



Product Overview:

FibRSol's FS-HGR1101V GPON ONU/HGU is developed by FH-net optoelectronics based on the GPON technology is designed for FTTH and networking service providers.

FibRSol's FS-HGR1101V has a high cost performance, it supports 2 layer, 3 layer or more layer VoIP, it provides users with complete GPON based FTTH solutions. It is fully compliant with technical regulations such as ITU-T G.984.x and technical requirement of GPON Equipment (V2.1 and above version) technical requirements specification. The device supports the up-link and down-link symmetric 1Gbps transmission rate, providing users with good QOS guarantee and flexible bandwidth allocation.

Features:

- ✓ Main service : 1GE+1FE+1VOIP
- ✓ Plug and play, integrate auto detection, auto configuration and auto firmware upgrading
- ✓ Support flexible Q-in-Q, VLAN, DHCP server/relay and IGMP / MLD multicast monitoring function.
- ✓ Support diagnostic monitoring and remote disabling of fiber optical.
- ✓ Compatible diagnostic monitoring and remote disabling of fiber optical.
- ✓ Compatible with Huawei, ZTE and Fiber home OLT
- ✓ Support NAT and firewall function
- ✓ Support IPv4 and IPv6 dual stack
- ✓ POTS integrated circuit test complies GR-909
- ✓ WAN support networking bridge, router and bridge/router mixed mode

Hardware Spec

Fiber Port:

1GPON interface, SC single-mode/single-fiber,
Downstream rate 2.5Gbps, Upstream rate 1.25Gbps

Wavelength: Tx 1310nm, Rx 1490nm

Fiber Interface : SC/PC

RX sensitivity: <-28dBm (1490nm)

LAN:

2*10/100/1000Mbps adaptive Ethernet ports,
full/half duplex, RJ45 interface

POTS: 1*FXS, RJ11 connector

DC Power: 12V 1A, external AC-DC Power adapter

Button: Reset, Power, WiFi

Power: $\leq 10\text{W}$

Operating: Working Temperature: -5~+55°C,

Operating humidity: 10~90% (non-condensed)

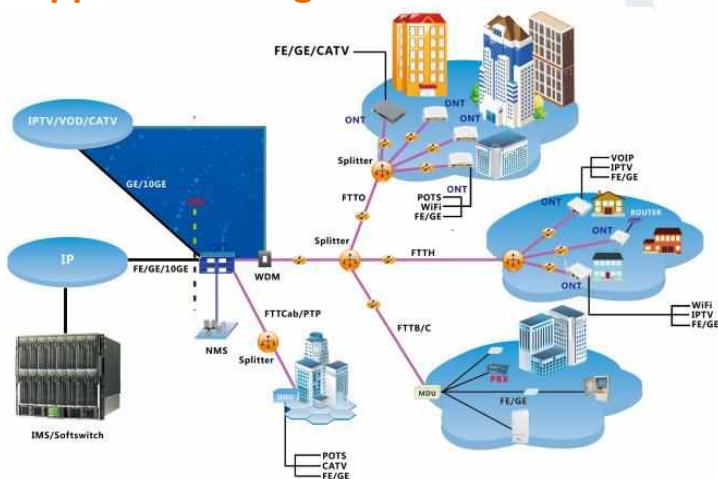
Storage: Storage Temperature: -30~+60°C,

Storing humidity: 10~90% (non-condensed)

Dimension: 130 * 107 * 31mm (length*width*height)

Net Weight: ≤ 0.2Kg

Application Diagram:



Software Spec

Data Service Functions:

- Full speed 1G non-blocking switching
- 2048 MAC address table
- Support VLAN Q-in-Q, transparent, tag, translation, 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/IPv6 IGMP snooping and MLD snooping
- Support bridge, route and bridge/route mixed mode

POTS service function:

- Support SIP voice protocol
- Support H.248 voice protocol
- SIP Protocol: ISP provide the port number of the main SIP proxy server and terminal VOIP
- Value range is 1-65535, system default value is 5060.
- H.248 protocol: SIP provide port number of the spare MGC server and VOIP terminal
- Value range is 1~65535, system default value is 2944.
- Port ringing current voltage: $50\pm 10\text{VAC}$, $30\pm 10\text{H}$
- Port type POTS (VOIP)
- Support G.711 A-Law/u-Law, G729A/B. G.723.1-5.3/6.3, G.726. etc. voice coding compressed technology
- Support auto switch in main interface and stand by interface by the software

Ordering Information:

Model	Description
FS-HGR1101V	1xGigabit ,1FE, 1 POTS XPON .