



G113

1GE XPON ONU Product Specification



Product Overview

G113 model ONU is a user terminal device independently developed in line with such industrial background. The device has built-in two-layer switching function. It is compact and compact, and is an FTTH optical network unit with high performance and low power consumption. G113 ONU can automatically switch EPON/GPON working mode and can be used in EPON/GPON network, which is very suitable for the application requirements of various data services in FTTH networking scenarios of various operators.

Product Specifications

| Hardware Specifications | |
|------------------------------|--|
| Size | 78*76*23mm |
| Optical signal access | EPON/GPON |
| User interface | 1GE |
| Indicator light | POWER/PON/LOS/LAN |
| Button | Power switch Button, Reset Button |
| Weight | 95g |
| Power adapter input | 100V~240V AC,50Hz~60Hz |
| PowerSupply requirement | 12V DC, 0.5A |
| Power consumption | <6w |
| Working temperature | -10°C ~ +45°C |
| Environment humidity | 5% ~ 95% (Non-condensing) |
| PON Interface | |
| Module type | SC/UPC or SC/APC |
| Working wavelength | up 1310nm, down 1490nm |
| TX Optical power value | 0.5~4dBm |
| RX Optical power sensitivity | ≤-28dBm |
| Transmission distance | 0~20km |
| Transmission rate | GPON:Up 1.244Gbps;down 2.488Gbps EPON:Up 1.244Gbps;down 1.244Gbps |
| Ethernet Interface | |
| Interface type | RJ45 |
| Interface parameters | 1 x 10/100/1000Mbps auto adaptive Ethernet interfaces |

Features

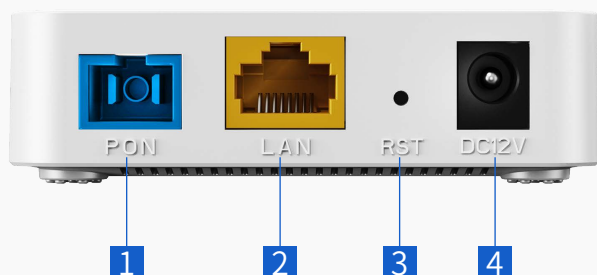
- GPON working mode Compliance with IEEE 802.3ah & itu-t g.984.x standard
- GPON:8 T-CONTs,32 GEM Ports
- EPON working mode compliant with IEEE 802.3ah specification and OAM protocol
- Supports the WEB configuration function
- Layer 2 Switching, support 802.1Q VLAN, 802.1P QOS, Bandwidth Control, Spanning Tree, etc
- Layer 3 Home Gateway/CPE features with Hardware NAT, supports Route mode, etc
- Supports the configuration of Ethernet interface rates, working modes,MDI/ MDIX auto-negotiation mode, and Pause flow control
- Provides performance statistics on all Ethernet lines
- Support multicast IGMP snooping
- Supports the L2 wire speed forwarding
- Supports the AES-128 algorithm for data encryption of downlink data

Highlights

- Compatible with 95% Third-party OLTs (Including Huawei/ZTE/Fiberhome/BT-PON and so on)
- Support EPON/GPON mode and switch mode automatically
- Support Route PPPoE/DHCP/Static IP and Bridge mode
- Support ONU auto-discovery/Link detection/remote upgrade of software
- Support IPv4/IPv6 dual mode
- Support Firewall function and IGMP multicast feature
- Support LAN IP and DHCP Server configuration
- Support Port Forwarding and Loop-Detect

Interface

Compatible with OLT Huawei/ZTE/Fiberhome



- 1 PON
- 2 LAN
- 3 RST
- 4 DC12V

Networking application

Typical access scheme: FTTH

Typical services: broadband Internet access, WIFI

