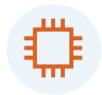


FD1608Y

8 PON PORTS GPON OLT



Dedicated Chip



High temperature resistance



Modular



Layer3 Switching



Brief Views

FD1608Y GPON OLT is a field-type central office equipment. The product adopts cast aluminum shell, which has good heat dissipation and shielding effect. The equipment is flexible to use and easy to deploy, meeting the requirements of equipment performance in outdoor environment.

The device provides 2 uplink GE ports, 2 uplink SFP ports, 2*10GE uplink ports and 8 GPON ports, 1 in-band management port, 1 out-band management port, and supports dual power supply configuration.

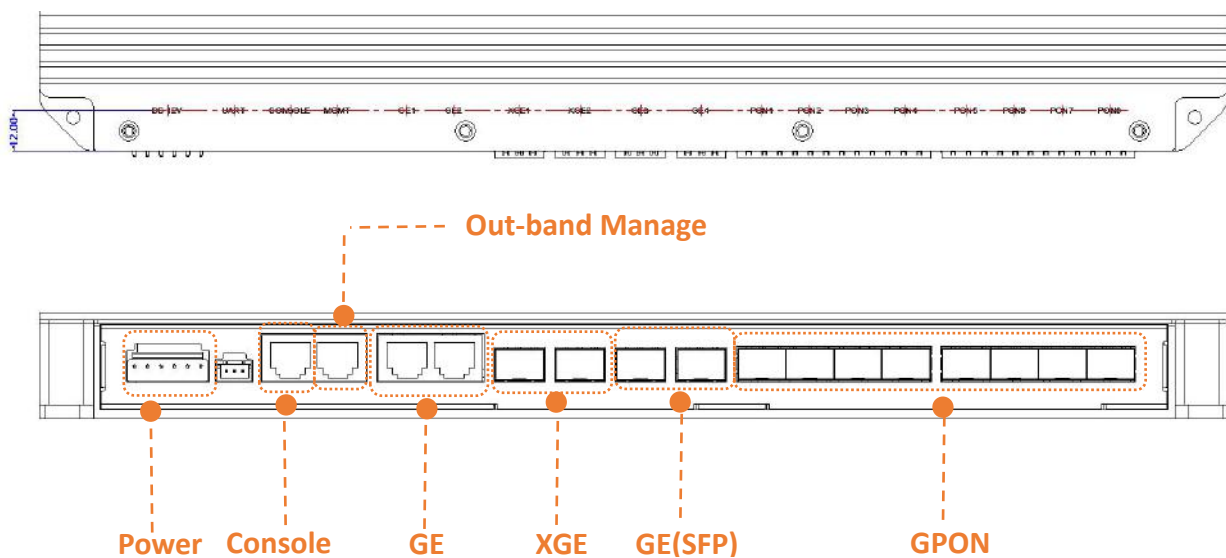
The maximum split ratio of each GPON optical port is 128, and the system can support up to 1024 ONUs. The product is suitable for FTTH access, video surveillance network, enterprise LAN, Internet of Things and other network applications of operator networks, and has a high cost performance.

Functional Feature

- Meet ITU-T G.984/G.988 standard and relative GPON standards of Chinese Communication Industry
 - Support OMCI Protocol
 - Complete PON protection switching function
 - Layer 2 Switching Function
- OLT equips with very powerful layer 2 Full Wire Speed Switching and completely supports layer 2 protocol. OLT supports varieties of layer 2 functions like TRUNK, VLAN, LACP, rate limit, port isolate, queue technology, flow control technology, ACL and so on, which provides technical guarantee for the development of multi-service integrated.

- QOS Guarantee
GPON Products maintains fully-improved DBA with excellent Qos service capabilities. DBA meets different Qos requirements from different service flow in latency, jitter, packet loss rate.
- Easy-to-Use Management System
Support management method of CLI, WEB, SNMP, TELNET, SSH and meet OMCI standard, through OMCI channel protocol service management can be realized, including ONT function parameter set, T-CONT business lines and amount, Qos parameters, configuration information request, performance statistics, auto-reporting of running events in system, configuration for ONT from OLT, fault diagnosis and management of performance and safety.

Product Interface



Product Specification

| ITEM | | FD1608Y | | |
|---------------------------|--------------------------|---|-------------------|--|
| Management Rack | Type | Field type slave equipment,Cast aluminum housing | | |
| Uplink Port | | 2* 10/100/1000M auto-negotiation Ethernet ports | | |
| | | 2 SFP interfaces | | |
| | | 2 SFP+ interfaces | | |
| PON Port | Quantity | 8 | | |
| | Physical interface | SFP slot | | |
| | Interface type | GPON: ITU-TG.984.2 Class B+/Class C+ | | |
| | Max splitting ratio | GPON: 1:128 | | |
| Management Port | | 1 100/1000BASE-Tx out-band Ethernet port 1 CONSOLE local management port | | |
| PON Port attribute | Transmission distance | 20KM | | |
| | Port rate | GPON: Downstream: 2.5Gbps Upstream: 1.25Gbps | | |
| | Wavelength | Forwarding: 1490nm Receiving: 1310nm | | |
| | Interface type | SC/UPC | | |
| | Fiber type | 9/125 μ m SMF (Single Mode Fiber) | | |
| | Light transmission power | Class B+ +1.5~+5dBm | Class C+ +3~+7dBm | |
| | Receiving sensitivity | Class B+ : -28dBm | Class C+ : -30dBm | |
| | Saturation power | Class B+ -8dBm | Class C+ -12dBm | |
| Network management method | | Support CLI、SNMP、TELNET、SSH、WEB | | |
| Business capabilities | | Support device log, device upgrade, device management, condition monitoring, configuration management, and user management. Layer 2 switching configuration management: Like port management, VLAN, RSTP, IGMP, ACL, QOS and so on. PON function configuration management: Like OLT authentication, DBA template, service template, line template and so on. Layer 3 function: support static routing, dhcp-relay and vlanif configuration | | |
| Backplane Bandwidth | | 78G | | |
| Size | | 385mm(L)*306.95mm(W)*180mm(H) | | |
| Weight | | 12.6KG | | |
| Power supply | 220VAC | AC: 100V~240V, 50/60Hz | | |
| Working environment | Working temperature | -40~65℃ | | |
| | Storage temperature | -40~85℃ | | |



| | |
|-------------------|------------------------|
| Relative humidity | 5~90% (Non-condensing) |
|-------------------|------------------------|

Typical Application

