FD1604S-BO

4 PON PORTS GPON OLT

Dedicated Chip

USB Interface

Software Customization

Layer3 Switching

SUPREME

Brief Views

GPON OLT FD1604S-B1completely meet relative standard of ITU G.984.x and FSAN, which is 1U rack-mounted device with 1 USB interface, 4 uplink GE ports, 4 uplink SFP ports, 2*10GE uplink ports and 4 GPON ports.Each GPON port supports the splitting ratio of 1:128,The GPON system supports up to 512 terminal connections。

This product meets the requirements in device performance and size of compact server room as the product has high performance and compact size, which convenient and flexible to use, and is easy to deploy as well. Moreover, the product meets the requirements of promoting network performance, improving reliability and reducing power consumption in the perspective of access network and enterprise network and is applicable to three-in-one broadcast television network, FTTP (Fiber to the premise), video monitoring network, enterprise LAN (Local Area Network), internet of things and other network applications with a very high price/performance ratio。

Functional Feature

- Meet ITU-T G.984/G.988 standard and standards of Chinese Communication Industry
- Support OMCI Protocol
- 1U height 8PON OLT product in compact design of Pizza-Box
- Fan speed adjust automatically
- 1+1 Pluggable power module
- 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 Specification

ITEM		FD1604S-BO
Rack	Type	**1U 19-inch standard box**
Uplink Port	COMBO port	**4 10/100/1000M auto-negotiation Ethernet ports**
		4 SFP interfaces
	10-Gigabit	**2 SFP+ interfaces**
PON Port	Quantity	**4**
	Physical interface	**SFP**
	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
USB Port		**1 USB interface (It's used to backup configuration, upgrade program and record log information)**
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	**9/125μm 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		**63G**
Size		**440*44*276mm**
Weight		**4.0Kg**
Power supply	**220VAC**	**AC: 100V～240V，47~63Hz**

	-48DC	DC:-40V～-72V
	BBU (Backup Battery Unit)	DC: 11V～14V Function: When the regular power supply is cut off, it can be switched to the backup power supply, and when the regular power supply resumes, it will switch back to the regular power supply and charge the backup power supply.
Maximum power		45W
Working environment	Working temperature	-15～50℃
	Storage temperature	-40～85℃
	Humidity	5～90% (Non-condensing)

Typical Application