

MDU Type EPON ONU-FD114GB



Brief Views

EPON MDU type ONU FD114GB is mainly designed for FTTO, FTTB application. FD114GB has 1 PON port, 4 10/100/1000BASE-T ports. FD114GB support 1000Base-PX20 standard with 1:64 maximum optical splitting ratio and 20km distance, and provide 1 uplink EPON port. ONU FD114GB together with C-Data's OLT could realize flexible network structure and maintenance and provide total FTTx solutions.

Functional Feature

- Support port-based rate limitation and bandwidth control;
- In compliant with IEEE802.3ah Standard
- Up to 20KM transmission Distance
- Support data encryption, group broadcasting, port Vlan separation ,etc.
- Support Dynamic Bandwidth Allocation (DBA)
- Support ONU auto-discovery/Link detection/remote upgrade of software;
- Support VLAN division and user separation to avoid broadcast storm;
- Support various LLID configuration and single LLID configuration .Different user and different service could provide different QoS by means of different LLID channels.
- Support power-off alarm function ,easy for link problem detection
- Support broadcasting storm resistance function
- Support port isolation between different ports
- Support ACL and SNMP to configure data packet filter flexibly
- Specialized design for system breakdown prevention to maintain stable system
- Support software online upgrading
- EMS network management based on SNMP ,convenient for maintenance

Specification

Item	Parameter
PON Interface	1 EPON optical interface Meet 1000BASE-PX20+ standard Symmetric 1.25Gbps upstream/downstream SC single-mode fiber split ratio: 1:64 Transmission distance 20KM
User Ethernet Interface	4*10/100/1000M auto-negotiation Full/half duplex mode RJ45 connector Auto MDI/MDI-X 100m distance
Power Interface	12V DC Power supply
PON Optical Parameter	Wavelength: Tx 1310nm, Rx1490nm Tx Optical Power: -1~4dBm Rx Sensitivity: -27dBm Saturation Optical Power: -3dBm Connector Type: SC Optical Fiber: 9/125 μ m single-mode fiber
Data Transmission Parameter	PON Throughput: Downstream 950Mbps; Upstream 930Mbps Ethernet: 1000Mbps Packet Loss Ratio: <1*10E-12 latency: <1.5ms
Business Capability	Layer 2 wire speed switching Support VLAN TAG/UNTAG, VLAN conversion Support Port-based speed limitation Support Priority classification Support storm control of broadcast Support link detection
Network Management	Support IEEE802.3 QAM, ONU can be remotely managed by OLT Support Remote management through SNMP and Telnet Local management
Management Function	Status monitor, Configuration management, Alarm management, Log management
LED Indicator	POWER: Power up or down LOS: Optical Link Status PON: ONU Registered LAN: Link Status of Ethernet Interface
Shell	Metal shell
Power	External 12V 0.5A AC/DC power supply adapter Power consumption: <3W
Physical Specifications	Item Dimension: 134.4mm(L) x 112.5mm(W) x 30mm (H) Item weight: 0.5kg
Environmental Specifications	Operating temperature: -10 to 55 °C Storage temperature: -40 to 85 °C Operating humidity: 10% to 90% (Non-condensing) Storage humidity: 10% to 95% (Non-condensing)

Application

- ◇ Typical Solution: FTTB, FTTO, PON+EOC
- ◇ Typical Business: INTERNET、IPTV、VOD、IP Camera

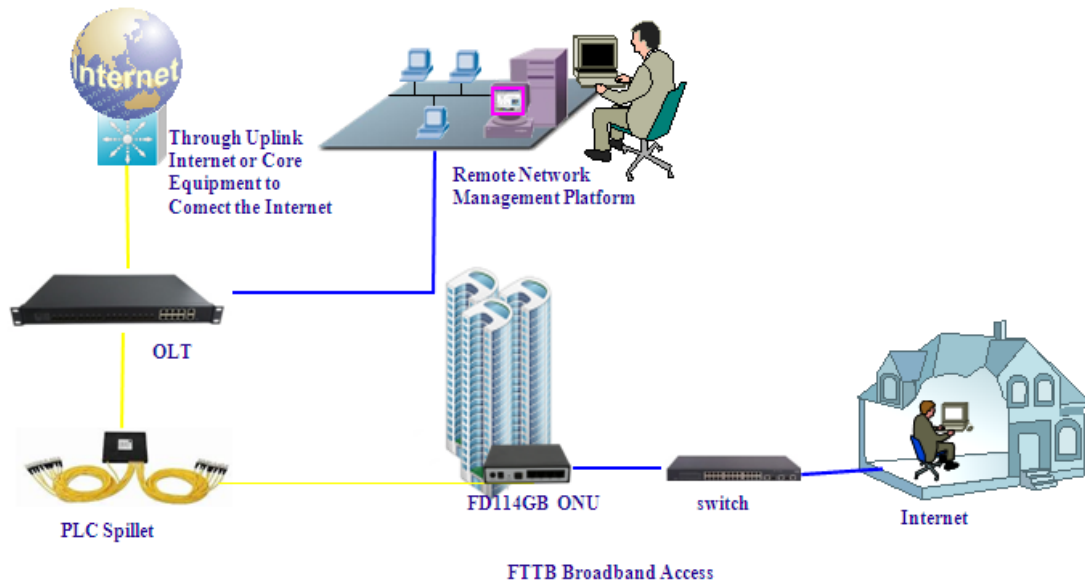


Figure: FD114GB Application Diagram

Ordering information

Product Name	Product Model	Descriptions
MDU Type EPON ONU	FD114GB	4*10/100/1000M Ethernet interface, 1 EPON interface, Metal Case, external power supply adapter