

ONU Module FD600-114G-MR



Product Overview

FD600-114G-MR is the EPON ONU devices. The FD600-114G-MR designed with one EPON port, four standard 10/100/1000 Base-TX Ethernet ports. It is aluminum alloy die casting shaping, and have good heat dissipation. The FD600-114G-MR ONU Module is small size module that is designed to work in C-DATA outdoor platform. It also can be integrated with the third-party access network products as a functional module to provide the EPON service.

FD600-114G-MR provides the key functionality of 802.3ah EPON ONU. By using the EPON technology, the FD600-114G-MR provides a high-speed data channel through a single optical fiber with a rate of 1.25 Gbit/s on bi-direction. In addition, it offers the QOS, flexible bandwidth allocated to provide quality high-speed data service, voice service, and video service.

Function Features

- Aluminum alloy die casting shaping, good heat dissipation
- Compliant with IEEE802.3ah Standard.
- Maximum distance:20km;Maximum splitting Ratio:1:64
- Support port-based rate limitation and bandwidth control
- Support data encryption
- Support multicasting
- Support Port Isolation

- Support Dynamic Bandwidth Allocation (DBA)
- Support ONU auto-discovery/Link detection/remote upgrade of software
- Support Port-based VLAN and IEEE802.1Q VLAN
- Support performance statistics based on ports
- Support ACL achieve the purposes of access control
- Support various LLID configuration and single LLID configuration. Different user and different service could provide different QOS by means of different LLID channels
- Support software online upgrading
- EMS network management based on SNMP

Specification

Item	Parameters	Specification
Interface	PON Interface	One EPON port Meet 1000BASE-PX20+ standard Up to 1.25Gbps Upstream and Down-stream SC Connector Single-mode fiber, single-strand Maximum split ratio 1:64 Up to 20Km distance
	Ethernet Interface	Four 10/100/1000M auto-negotiation Full/Half-Duplex RJ45 type connector , Auto MDI/MDI-X Up to 100m distance
Performance Parameters	PON Optical Parameters	Wavelength: Upstream 1310nm, Downstream 1490nm Transmitter Optical Power: 0~4dBm Optical Receive Sensitivity: -27dBm Saturation Optical Power: -3dBm
	Data Transfer Parameters	Data Transfer Rate: Upstream 900Mbps; Downstream 950Mbps LAN Interface: 1000Mbps Packet Loss: 1×10^{-12} latency: <math>< 1.5\text{ms}</math>
	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
Network Management	Management Mode	Support IEEE802.3 QAM, ONU can be remotely managed by OLT

		Support Remote management through SNMP and Telnet Local management
	Function	Status monitor, Configuration management, Alarm management, Log management
Indicator	Indicator Description	PWR: Power up or down ACT: Optical Link Status REG: ONU registered SYS: System LAN: LAN Status
Physical Features	Power Supply	2Pin Power Connector
	Power Consumption	<5W
	Dimension	150(L)×70(W)×31mm(H)
	Weight	0.3kg
	Environment Attribute	Working Temperature: -10~65℃ Storage Temperature: -40~85℃ Working humidity: 10%~90%non-condensing Storage humidity: 10%~90% non-condensing

Applications

- ◇ CATV
- ◇ Internet Access
- ◇ VOD
- ◇ IPTV
- ◇ Camera monitor system

Order Information

Product	Item	Description
ONU Module	FD600-114G-MR	Four 10/100/100M Ethernet Ports, one EPON Port, 2Pin Power Connector, aluminum alloy die casting shaping