

## ONU Module FD600-104G-BR520



### Product Overview

FD600-104G-BR520 is the EPON ONU devices. The FD600-104G-BR520 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 FD600-104G-BR520 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.

FD600-104G-BR520 provides the key functionality of 802.3ah EPON ONU. By using the EPON technology, the FD600-104G-BR520 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

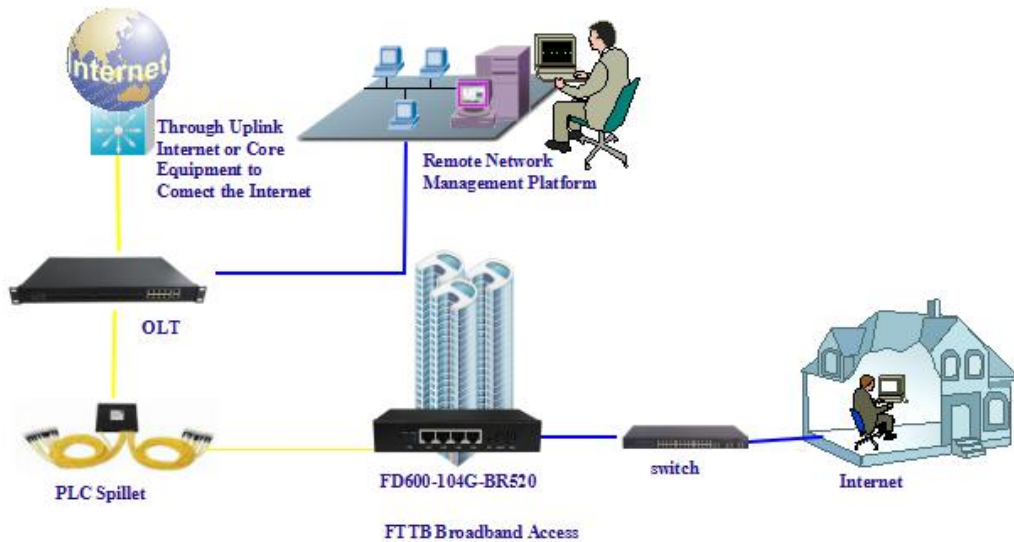
## Specification

Item	Parameters	Specification
<b>Interface</b>	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
<b>Performance Parameters</b>	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: <math>1 \times 10^{-12}</math> 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
<b>Network Management</b>	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
<b>Indicator</b>	Indicator Description	PWR: Power up or down PON: ONU registered LOS: Optical Link Status LANn: LAN Status
<b>Physical Features</b>	Power Supply	External 12V 0.5A AC/DC power supply adapter
	Power Consumption	<3W
	Dimension	158(L)×107(W)×30mm(H)
	Weight	0.5kg
	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	FD600-104G-BR52 0	Four 10/100/1000M Ethernet Ports, 1 EPON interface, Metal Case, external power supply adapter