

EPON ONT EUZ01GB/S

EPON ONT EUZ01GB/S datasheet



1. Overview

- EUZ01G series single-user ONU is designed for ONU in deferent FTTH solutions by HDV, The carrier-class FTTH application provides date service access.
- EUZ01G series adopts high-performance and low-consumption chips, and supports CTC 3.0 interconnection and interworking standard of China Telecom. With the help of NGBN View NMS, it can provide subscribers with abundant services, and totally meet the needs of carrier-class FTTH devices.
- EUZ01G series is designed by ZTE chipset.

2.Functional Feature

- Color is optional
- Router mode supports PPPoE/DHCP/ static IP
- 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 power-off alarm function ,easy for link problem detection
- Support broadcasting storm resistance function
- 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

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3.Hardware Specification

Item	Parameter
Interface	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 1*10/100/1000M auto-negotiation Full/half duplex mode RJ45 connector Auto MDI/MDI-X 100m distance
	Power Interface 12V DC Power supply
Performance Parameters	PON Optical Parameter Wavelength: Tx 1310nm, Rx 1490nm Tx Optical Power: -1 ~ 4dBm Rx Sensitivity: -27dBm Saturation Optical Power: -3dBm Connector Type: SC Optical Fiber: 9/125µm single-mode fiber
	Data Transmission Parameter PON Throughput: Downstream 950Mbps; Upstream 930Mbps, 1000Mbps Packet Loss Ratio: 1×10^{-12} latency: 1.5ms
	Gateway Router mode supports PPPoE/DHCP/ static IP WAN support Route and Bridge mode WAN support Internet、VoIP、IPTV、TR069 LAN supports DHCP and static IP Support NAT and NAPT Support UPnP

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	Business Capability	<p>Layer 2 wire speed switching</p> <p>Support VLAN TAG/UNTAG, VLAN conversion</p> <p>Support Port-based speed limitation</p> <p>Support Priority classification</p> <p>Support storm control of broadcast</p>
Network Management	Management Mode	<p>Support IEEE802.3 QAM, ONU can be remotely managed by OLT</p> <p>Support Remote management through SNMP and Telnet</p> <p>Local management</p>
	Management Function	Status monitor, Configuration management, Alarm management, Log management
Indicator	LED Indicator	<p>PWR: Power up or down</p> <p>SYS: System instructions</p> <p>LOS: Optical Link Status</p> <p>PON : ONU Registered</p> <p>LINK/ACT: Link Status of Ethernet Interface</p>
Physical Features	Shell	Plastic casing
	Power	<p>External 12V 0.5A AC/DC power supply adapter</p> <p>Power consumption: <2W (FD101HC) ,<2.3W(FD111HC)</p>
	Physical Specifications	<p>Item Dimension : 120mm(L) x 80mm(W) x 26mm (H)</p> <p>Item weight : 0.1kg</p>
	Environmental Specifications	<p>Operating temperature: 0 to 50 °C</p> <p>Storage temperature: -40 to 85 °C</p> <p>Operating humidity: 10% to 90% (Non-condensing)</p> <p>Storage humidity: 10% to 90% (Non-condensing)</p>

4.Application

- Typical Solution : FTTH、FTTB、PON+EOC
- Typical Business : INTERNET、IPTV、VOD、IP Camera

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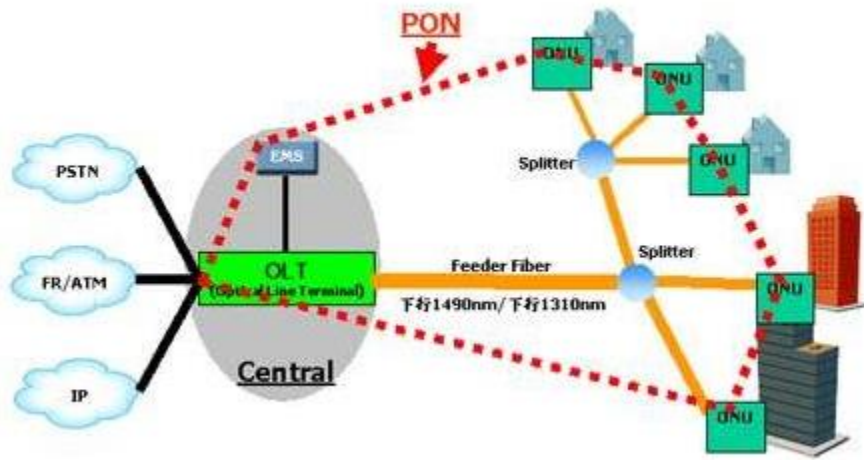


Figure: EUZ01G* Application Diagram

5. Ordering information

Product Name	Product Model	Descriptions
SFF Type EPON ONU	EUZ01GS	1*10/100M /1000M Ethernet interface, 1 EPON interface, plastic casing, external power supply adapter
BOB Type EPON ONU	EUZ01GB	1*10/100M /1000M Ethernet interface, 1 EPON interface, plastic casing, external power supply adapter