

GPU304S

GPON ONU 4FE



GPU304S GPON OLT ONU is a new terminal level GPON ONT, which is a variety of FTTB \ FTTH \ FTTO accessing ONT published by DIBSYS for carrier-grade FTTH network applications. It is highly reliable and easy to maintain, with guaranteed QOS for different service. And It is fully compliant with technical regulations and technical requirement of GPON Equipment.

It can support pure data and many other service accessing type. By using the GPON technology, ultra-broadband access is provided for home and SOHO users. The GPU304S features high-performance forwarding capabilities to ensure excellent experience with Internet and HD video services. It can fully meet carrier-grade FTTB\FTTH\FTTO equipment needs, working with our NGBN unified network management system.

Easy for deployment

Mounting mode and fiber coiling make installation very easy, with batch configuration on EMS to ensure zero configurations on ONU side.

Easy for trouble shooting

Support ONU signal tracing and performance monitoring, and quickly locate fault on ONU.

Features

- 1* GPON standard port
- 4* Ethernet port (10/100Base-T auto-sensing)
- Plastic shell, 188*133*30 (W*H*D, mm)
- Power consumption is lower than 18 W
- DC power switch, external power adapter, 12V/1A

Application

- FTTB\FTTH\FTTO network application

TECHNICAL SPECIFICATIONS

Gpon

- Meet ITU-T G.984 GPON standard
- Support for forward error correction (FEC) on both upstream and downstream
- Support dynamic bandwidth status reporting
- Support traffic mapping based on 802.1p mapper for the upstream
- QoS dispatch based SP or WRR between the GEM port and the T-CONT
- Support multicast GEM ports and broadcast GEM ports for the downstream

Ethernet

- Ethernet auto-negotiation and MDI / MDIX auto-detection
- Advanced data capabilities, such as VLAN tag handling, traffic classification, and packet filtering
- 802.1D transparent bridge
- 802.1Q VLAN

PON

- | | |
|-----------------------|--|
| Rate | Uplink: 1.244Gbps; downlink: 2.488Gbps |
| Interface standard | Class B+ |
| Output optical power | +0.5~+5dBm |
| Reception sensitivity | -27dBm |
| Receiving saturation | -8dBm |
- IGMP v2/v3 snooping

OAM

- Meet OMCI (Embedded operating channel) management port of ITU-T G.988
- Meet TR-069 standard
- Meet TR-098, TR-140 terminal and integrated management interface specification
- support kinds of service configuration including Ethernet, VoIP, WLAN, etc.
- Alarm report and performance monitor
- Support remote upgrade via OMCI

ENVIRONMENT

- | | |
|-------------------|---|
| size | 188mm*133mm*30mm |
| Consumption | <18W |
| Power Supply | 12V/1.5A |
| Temperature | -15°C~55°C(operation), -40°C~70°C(Storage) |
| Relative humidity | 10%~90%, no condensing |
| Weight | 210g |