GPON 1GE+1FE+WIFI ONT

GPU312S



GPU312S 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, WIFI and many other service accessing type. By using the GPON technology, ultra-broadband access is provided for home and SOHO users. The GPU312S features high-performance forwarding capabilities to ensure excellent experience with Internet and HD video services. GPU312S GPON OLT ONU can provide up to 1.25Gbps uplink and 2.5Gbps downlink high-speed transfer rate. It can fully meet carrier-grade FTTB\FTTH\FTTO equipment needs, working with our NGBN unified network management system.

It supports the 802.11n wireless networking technology (T/R). It is high stability and easy to maintain, has multi-service QoS quality guarantee. And It is fully compliant with technical regulations such as ITU-T G.984.x and technical requirement of GPON Equipment (V2.1 and above version) from China Telecom, China Unicom.

Date Service Function

- Full speed 1G non-blocking switching
- 2048 MAC address table
- Support VLAN QinQ, transparent, tag, translation, trunk, etc.
- Integrated port monitoring, port mirroring, port rate limiting, port SLA, etc
- Support auto polarity detection of Ethernet ports (AUTO MDIX)
- Integrated IEEE802.1p QoS with four level priority queues
- Support IPv4/ IPv6 IGMP snooping and MLD snooping
- Support bridge, router and bridge/route mixed mode

Wi-Fi service

- Support Integrated 802.11b/g/n, 300Mbps, 2T2R.
- Support 16 connections
- Support WEP and WPA/WPA2 security protocols

Easy for deployment

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

Easy for trouble shooting

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

Application

- FTTB\FTTH\FTTO network application
- WiFi support

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TECHNICAL SPECIFICATIONS

Main service
1GE+1FE+1WIFI

High light
Plug and play, integrate auto detection, auto configuration and auto firmware upgrading

flexible QinQ VLAN,DHCP server/relay and IGMP/ MLD

multicast monitoring function

diagnostic monitoring and remote disabling of fiber optical

Support 802.11n WiFi (T/R) function

NAT and firewall function

WAN support networking bridge, router and bridge/router mixed mode

Compatibility
Compatible with Huawei, ZTE and Fiberhome OLT et.

Fiber port
1 GPON interface, SC single-mode/single-fiber

Downstream rate	2.5Gbps,
Upstream rate	1.25Gbps

Wavelength
Tx 1310nm, Rx 1490nm

Fiber interface
SC/PC

RX sensitivity
<-28dBm (1490nm)

WLAN
IEEE802.11b/g/n, 300Mbps, a built-in antenna

LAN
1*10/100/1000Mbps+1*10/100Mbp adaptive ethernet ports, full/half duplex, RJ45 interface

ENVIRONMENT

DC power	12V 1A, external AC-DC power adapter
Button	Reset, power, WIFI
Power	≤10W
Working temperature	-5～+55℃
working humidity	10～90%(non-condensation)
Storage temperature	-30℃～+60℃
storage humidity	10～90%(non-condensation)
Dimension	130*107*31mm(length*width*height)
Net weight	≤0.2Kg
Carton dimensions	500*390*460mm(Q`ty 36 PCS)

AC Power Supply (Europe or US stander optional)

ORDER INFORMATION

Model Name	Lan Port	CATV RF	Wifi	VoIP	Fiber	Description
GPU312S	1GE+1FE	No	Yes	No	Single	1*GPON(1490/1310nm,20Km,SC),1GE+1FE(ETH), 1WIFI
GPU301	1GE	No	No	No	Single	1*GPON(1490/1310nm,20Km,SC),1GE

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