

# GPON 1GE+3FE+WIFI ONT

GPU314S



**GPU314S** 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 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.

It can support pure data, Data+ WIFI and many other service accessing type. By using the GPON technology, ultra-broadband access is provided for home and SOHO users. It can fully meet carrier-grade FTTB\FTTH\FTTO equipment needs, working with our NGBN unified network management system.

## 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, route and bridge/route mixed mode

## Wi-Fi service

- Support Integrated 802.11b/g/n, 300Mbps
- 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

## TECHNICAL SPECIFICATIONS

### Main service

1GE+3FE+WIFI

### High light

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

Integrate OMCI and TR-069 remote configuration and maintenance

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+3\*10/100Mbps 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\*highs)

Net weight ≤0.2Kg

Carton dimensions 500\*390\*460mm(Q'ty 36 PCS)

### Package Information

AC Power Supply (Europe or US stander optional)

Power Supply 1Pcs

Network Cable (Cat5e) 1.2M 1Pcs

## ORDER INFORMATION

Model Name	Lan Port	CATV RF	Wifi	VoIP	Description
GPU314S	1GE+3FE	No	Yes	No	1*GPON(1490/1310nm,20Km,SC),1*10/100/1000Base-T +3*10/100Base-T+ 1* WiFi,
GPU304S	1GE+3FE	No	No	No	1*GPON(1490/1310nm,20Km,SC),1*10/100/1000Base-T +3*10/100Base-T