

# GPON 1GE+3FE+CATV+WIFI ONT

GPU314SC



**GPU314SC** 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 GPU314SC features high-performance forwarding capabilities to ensure excellent experience with Internet and HD video services. GPU314SC GPON OLT ONU supports standard OMCI, 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
- 4 LAN
- 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+CATV

### High light

Dual Fiber or Single Fiber optional

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

Integrate OMC1 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, RF1550nm

### Fiber interface

SC/APC (Single fiber) SC/UPC& SC/APC(Dual fiber )

### RX sensitivity

<-28dBm (1490nm)

### WLAN

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

### LAN

1\*10/100/1000Mbps+3\*10/100Mbp adaptive ethernet ports, full/half duplex, RJ45 interface

### Throughput

Can reach 900Mbps or more

### POTS

1\*FXS, RJ11 connector

### 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 185\*145\*50mm(length\*width\*highs)

Net weight ≤0.3Kg

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

### CATV Parameters

Optical Receive -15 ~ +2dBm

AGC range -8 ~ +2dBm

Fiber return loss >50dB

wave length 1100 ~ 1600nm

Connector SC/APC

C/N ≥ 50dB

C/CTB ≥ 62dB

C/CSO ≥ 61dB

BW 40~ 1000MHz

Output level ≥ 82dB μV

### 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	Fiber	Description
<b>GPU314SCS</b>	1GE+3FE	Yes	Yes	No	Single	1*GPON(1490/1310nm,20Km,SC),1*10/100/1000Base-T+3*10/100Base-T + 1* Wi-Fi +1*CATV(Dual fiber)
<b>GPU304SCD</b>	1GE+3FE	Yes	No	No	Dual	1*GPON(1490/1310nm,20Km,SC),1*10/100/1000Base-T+3*10/100Base-T+ 1* Wi-Fi +1*CATV (Single fiber)