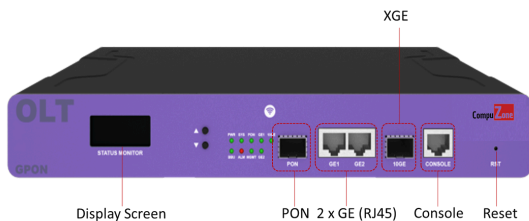


## DESCRIPTION

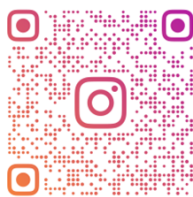
GPON OLT CZ1601S-B1 completely meet relative standard of ITU G.984.x and FSAN, the device with 2 uplink Ethernet ports and 1 10 Gigabit uplink port and 1 GPON port. Each GPON port supports the splitting ratio of 1:128, The GPON system supports up to 128 terminal connections.



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COMPUZONE97

## FEATURES

### GPON Function

- ITU-T G.984/G.988 standard
- Support OMCI protocol
- T-CONT DBA
- GEMPORT traffic
- ONU auto discover
- Ranging function
- Downstream data encrypted

### Layer 2 Switching Function

- Access/Trunk/Hybrid L2 access mode
- Support 64K MAC address
- Support 4094 VLANs
- VLAN filter function, VLAN transform
- L2 port mirror
- MAC address learning/aging

### Other

- Display screen can show the IP address, the number of ONU terminals, etc
- Optional support for BBU

### Multicast Function

- IGMP snooping
- IGMP V1/V2/V3
- Multicast VLAN translation

### Management Function

- CLI/WEB/Telnet/SSH/MQTT
- Performance Management
- Alarm Management
- Security Management
- Wifi access, direct mobile phone wifi login device management

### Maintenance Function

- Device log
- Device upgrade
- Fault diagnose function
- Condition monitoring function

## PRODUCT INTERFACES & LEDS

### Hardware

Uplink Port 2 10/100/1000M auto-negotiation Ethernet ports  
10 Gigabit uplink port

Management Port 1 CONSOLE local management port

Backplane Bandwidth 27.75G

### PON Port

Quantity 1

Physical interface SFP slot

Interface type GPON: ITU-TG.984.2 Class B+/Class C+

Max splitting ratio GPON: 1:128

### PON Port attribute

Transmission distance 20KM

Port rate GPON: Downstream: 2.5Gbps Upstream: 1.25Gbps

Wavelength Forwarding: 1490nm Receiving: 1310nm

Interface type SC/UPC

Fiber type 9/125 $\mu$ m SMF (Single Mode Fiber)

Light transmission power Class B+ +1.5 ~ +5dBm Class C+ +3 ~ +7dBm

Receiving sensitivity Class B+ : -28dBm Class C+ : -30dBm

Saturation power Class B+ -8dBm Class C+ -12dBm

### Power

AC 100V ~ 240V, 47~63Hz

DC External adapter mode 12V/2.5A

### Environment

Working temperature -15 ~ 50°C

Storage temperature -40 ~ 85°C

Ambient humidity 5 ~ 90% (Non-condensing)

# PRODUCT INTERFACES & LEDS

## Mechanics

Dimensions 210mm\*135mm\*45mm

Weight About 300g

## WIFI performance parameter

IEEE802.11b/g/n(2.4G) IEEE802.11a/n/ac/ax(5G)

2.4G: 40Mhz bandwidth maximum rate 574Mbps  
5G: 160Mhz bandwidth maximum rate 2402Mbps  
Total wireless rate is 3000Mbps

2.4G EIRP:22dBm / 5 G EIRP:21dBm

## CATV (Input /Output port)

Wavelength: 1550nm

Input optical power: -18dBm~0dBm(with AGC)

RF frequency: 47MHz~1000MHz

RF output level: 78dBuV (@-12~-2dBm@85MHz) (with AGC)

RF output return loss: >12dB(with AGC)

RF impedance: 75Ω

## User Port(POTS)

RJ-11 connector

1\*accounts

SIP protocol

TDMF

G711U/G711A/G72  
9/G722 encoding  
and decoding