

### DESCRIPTION

The GPON OLT CZ1700 fully complies with the relevant standards of ITU G.984.x and FSAN. It's a 1RU device featuring an uplink SFP port with options for either 4\*1G/10G and 4\*10G/25G. The PON ports come in configurations of 4/8/16 ports. Each GPON port supports a splitting ratio of 1:128. Consequently, the GPON system can accommodate up to 4096 terminal connections, depending on the number of PON ports chosen.



### 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
- Smart QinQ
- L2 port mirror
- Support 1024 static MAC address
- MAC address learning/aging
- MAC address limitation
- Static/Dynamic LACP
- ACL
- RSTP

#### Layer 3 Switching Function

- Static routing
- DHCP server/DHCP relay/DHCP snooping
- ARP proxy

#### Multicast Function

- IGMP snooping
- IGMP V1/V2/V3
- Multicast VLAN translation
- Multicast QOS
- IGMP protocol statistics

#### QOS Guarantee

- Traffic control function
- Congestion avoidance function
- Queue scheduling function
- COS Priority function
- ACL function

#### Reliability Function

- 1+1 power modules
- BBU optional
- Fan speed automatically adjusts based on temperature
- Enables manual adjustment for primary and secondary power sources

#### Management Function

- CLI/WEB/Telnet/SSH
- Performance Management
- Alarm Management
- Security Management

#### Maintenance Function

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

## PRODUCT INTERFACES & LEDS

### Hardware

Uplink Port 4\*1G(SFP)/10G SFP+  
4\*10G(SFP+)/25G(SFP28)

Management Port 1 100/1000BASE-Tx out-band Ethernet port  
1 CONSOLE local management port

<b>PON Port</b>	Max splitting ratio	GPON: 1:128
	Quantity	8*GPON/16*GPON/24*GPON/32*GPON/ 8*XG(S)PON
	Physical interface	SFP slot
	Interface type	GPON: ITU-TG.984.2 Class B+/Class C+
<b>PON Port attribute</b>	Transmission distance	20KM
	Port rate	GPON: Downstream: 2.5Gbps Upstream: 1.25Gbps
	Wavelength	Forwarding: 1490nm Receiving: 1310nm
	Interface type	SC/UPC
	Fiber type	9/125µm 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
Backplane Bandwidth	400G	

### Power

AC 100V ~ 240V, 47~63Hz

DC -40V ~ -72V

### Environment

Working temperature -15 ~ 50°C

Storage temperature -40 ~ 85°C

Ambient humidity 5 ~ 90% (Non-condensing)

# PRODUCT INTERFACES & LEDS

Ordering information

FD1700C: Chassis+Power Supply+Fan

FD1700S: Chassis+Power Supply+Fan+Main control card

FD1708S: FD1700S+1\*8 port GPON Service card

FD1716S: FD1700S+1\*16 port GPON Service card

FD1724S: FD1700S+1\*16 port GPON Service card+1\*8 port GPON Service card

FD1732S: FD1700S+2\*16 port GPON Service card

FD1708SX: FD1700S+1\*8 port XGS-PON Service card

FD1716SX: FD1700S+2\*8 port XGS-PON Service card

FD1716GX: FD1700S+1\*8 port GPON Service card+1\*8 port XGS-PON Service card

FD1724GX: FD1700S+1\*16 port GPON Service card+1\*8 port XGS-PON Service card

