

GT1008 Series Smart Cassette GPON OLT

GT1008









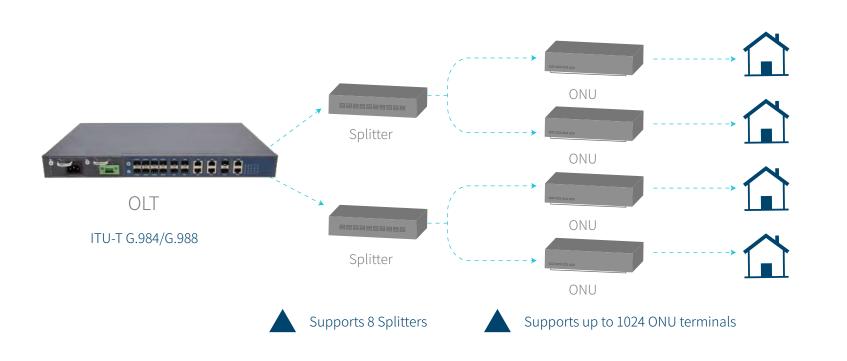
1U rackmount

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Meeting Mainstream Operator related Standards

The GT1008 complies with ITU-T G.984/G.988 and most of operator related standards.

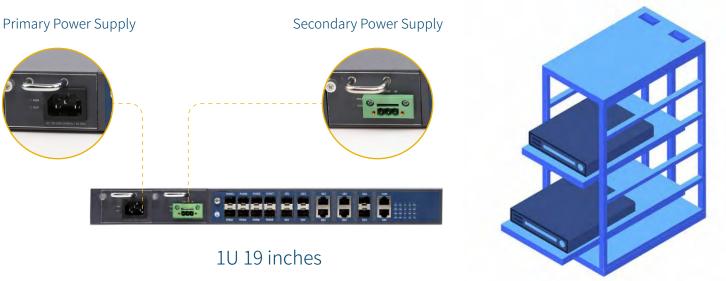


Support Up to 1024 ONU Terminals

One single PON port can support the access of 64 terminals, the overall unit (8 PON ports) can supports 1024 ONU terminals with physical links of up to 20 km in distance.

Space-saving 1U rackmount size

The GT1008 features 1U 19 inches in size and only occupies little space in the computer room. It consume less power and effectively reduces business operating cost.



Power Redundancy Ensures High Reliability

The OLT supports AC input, double DC input and AC+DC input. Redundant power design guarantees high reliability by minimizing the chance of a complete shutdown or failure.





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OMCI Management Function

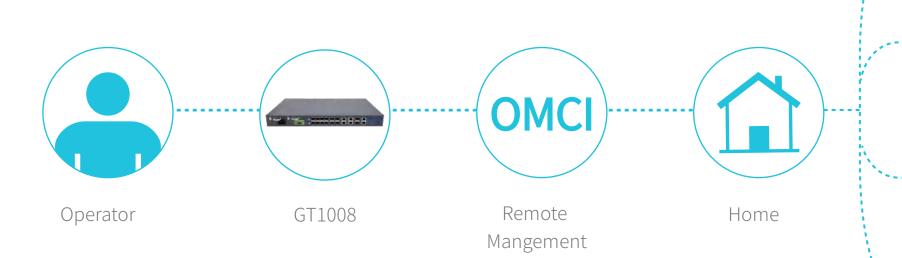
OMCI allows service providers to manage a variety of applications and services, including voice, video and data (Triple Play Bundle) and other features remotely. This will help ISPs simplifies management and reduces operating costs.

Support ISP Multi Service Integration

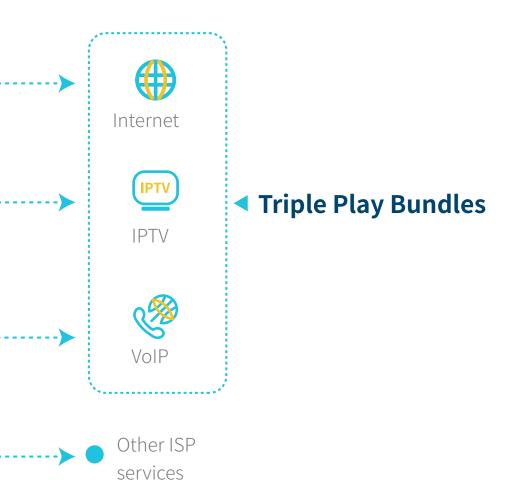
Support Ethernet function, provide effective isolation guarantee mechanism, VLAN isolation, port protection, MAC address binding, port speed limit, queuing technique, flow control technology etc provide technical guarantee for the development of multi service integration .

Use Bandwidth More Efficiently with DBA

PON business capabilities support dynamic bandwidth allocation DBA algorithm, dynamic bandwidth allocation scheme (DBA) enables all users to share bandwidth more reasonably, achieving reliable quality of service.









Product Specification

- Switching Capacity: 102.5Gbps
- Forwarding Capacity(Ipv4/Ipv6): 66MPPS
- Service Port:8*PON port,4*GE COMBO port, 2*10GE SFP+ port
- Redundancy Design:
- Dual power supply Support AC input, double DC input and AC+DC input
- Power Supply:
- AC: input 100~240V 50/60Hz;
- DC: input $36V \sim 75V$;
- Power Consumption: ≤80W
- Dimensions (Width x Height x Depth): 440mm × 44mm × 380mm
- Weight (Full-Loaded): ≤3kg
- Environmental Requirements:
- Working temperature: -10°C~55°C
- Storage temperature: -40°C~70°C
- Relative humidity: 10%~90%, non-condensing

Product Features

- PON Features:
 - ITU-TG.984.x standard Maximum 20 Km PON transmission distance Access 128 terminals for single fiber PON Uplink and downlink triple churning encrypted function with 128Bits ONU terminal legitimacy certification, report illegal ONU registration Standard OMCI management function ONU batch software upgrade, real time upgrade PON port optical power detection
- L2 Features:
- MAC:
 - MAC Black Hole Port MAC Limit
- VLAN:
- **4K VLAN entries** Port-based/MAC-based/protocol/IP subnet-based QinQ and flexible QinQ (StackedVLAN) VLAN Swap and VLAN Remark PVLAN to realize and saving public-vlan resources
- Spanning Tree: STP/RSTP, Remote loop detecting
- Port: Bi-directional band control Static link aggregation Port mirroring

connect.

64K MAC (packet exchange chip cache 2MB, external cache 720 MB)



Product Specification

• Security Features: • User's Security: Anti-ARP-spoofing Anti-ARP-flooding MAC address binding to the port and MAC address filtering • Device Security: Security IP login through Telnet Hierarchical management and password protection of users • Network Security: DHCP Option82 cryptograph authentication • ACL: Standard and extended ACL Time Range ACL Flow classification and flow definition based on source/destination MAC address, VLAN, 802.1p, ToS, DiffServ, source/destination IP(IPv4/IPv6) address, TCP/UDP port number, protocol type, etc packet filtration of L2~L7 deep to 80 bytes of IP packet head

Product Features

• QoS:

Rate-limit to packet sending/receiving speed of port or self-defined flow and provide general flow monitor and two-speed tri-color monitor of self-defined flow Priority remark to port or self-defined flow and provide 802.1P, DSCP priority and Remark CAR(Committed Access Rate), Traffic Shaping and flow statistics Packet mirror and redirection of interface and self-defined flow Super queue scheduler based on port or self-defined flow. Each port/ flow supports 8 priority queues and scheduler of SP, WRR and SP+WRR, Congestion avoid mechanism, including Tail-Drop and WRED.

- IPv4:
- IPv6:

ICMPv6, ICMPv6 Redirection, DHCPv6, ACLv6, Dual stack of IPv6 and IPv4, OSPFv3, RIPng, BGP4

• Multicast: IGMP Fast leave, IGMP Proxy,

ARP Proxy, DHCP Relay, DHCP Server, Static Routing, RIPv1/v2, OSPFv2, BGPv4

IGMPv1/v2/v3, IGMPv1/v2/v3 Snooping, IGMP Filter, and cross VLAN multicast copy,



Product Features

- Reliability:
- Link Protection:

RSTP (recover-time <1s)

• Device Protection:

1+1 power hot backup

- Maintenance:
- Network Maintenance:

Port real-time, utilization and transmit/receive statistic based on Telnet GPON OMCI

• Device Management:

CLI, Console port, Telnet and WEB SNMPv1/v2 NTP network management

Purchase Information:

- GPON OLT 8PON:
- AC Power Supply:
- DC Power Supply:

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8*PON, 4*GE COMBO port, 2*10GE SFP+, double AC/DC power supply

AC power module for GPON OLT 8PON

DC power module for GPON OLT 8PON

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