

GT0412 & GT0816 & GT1628 GPON OLT Series

Datasheet

Product overview:

GT0412 & GT0816 & GT1628 is highly integrated, medium-capacity GPON OLT for operators, ISPs, enterprises and park applications. The product follows the ITU-T G.984/G.988 technical standard, The product has good openness, strong compatibility, high reliability, and complete software functions. It can be widely used in operators' FTTH access, VPN, government and enterprise park access, campus network access, ETC.

GT0412 & GT0816 & GT1628 is only 1U in height, easy to install and maintain, and save space. Supports mixed networking of different types of ONUs, which can save a lot of costs for operators.

GT0412



GT0816



GT1628



Main Feature

- Rich Layer 2/3 switching features and Flexible management methods
- Support multiple link redundancy protocols such as FlexLink/STP/RSTP/MSTP/ERPS/LACP
- Support RIP、 OSPF、 BGP、 ISIS and IPV6
- Safe DDOS and virus attack protection
- Support Power redundancy backup, Modular power supply
- Support power failure alarm
- Type C management interface

Product specifications

Attributes	GT0412	GT0816	GT1628
Exchange capacity	104Gbps		
Packet forwarding rate	77.376Mpps		
Memory and storage	memory: 2GB, storage: 8GB		
Management port	Console, Type C		

Port	4*GPON Port, 4*10/100/1000MBase-T, 4*1000M Base-XSFP/4*10GE SFP+	8*GPON Port, 4*10/100/1000MBase-T, 4*1000MBase-XSFP/4*10GE SFP+	16*GPON Port, 8*10/100/1000MBase-T, 4*1000MBase-XSFP/4*10 GE SFP+
PON	<p>Comply with ITU-TG.984/G.988 standard</p> <p>20KM Physical differential distance, 60KM transmission logical distance</p> <p>1:128 Max splitting ratio</p> <p>Standard OMCI management function</p> <p>Open to any brand of ONT</p> <p>ONU batch software upgrade</p>		
VLAN	<p>Support 4K VLAN</p> <p>Support Vlan based on port, MAC and protocol</p> <p>Support dual Tag VLAN, port-based static QinQ and flexible QinQ</p>		
MAC	<p>64K Mac address</p> <p>Support static MAC address setting</p> <p>Support black hole MAC address filtering</p> <p>Support port MAC address limit</p>		
ring network protocol	<p>Support STP/RSTP/MSTP</p> <p>Support ERPS Ethernet ring network protection protocol</p> <p>Support Loopback-detection port loopback detection</p>		
port control	<p>Support two-way bandwidth control</p> <p>Support port storm suppression</p> <p>Support 9K Jumbo ultra-long frame forwarding</p>		
Port aggregation	<p>Support static link aggregation</p> <p>Support dynamic LACP</p> <p>Each aggregation group supports a maximum of 8 ports</p>		
Mirroring	<p>Support port mirroring</p> <p>Support stream mirroring</p>		
ACL	<p>Support standard and extended ACL</p> <p>Support ACL policy based on time period</p> <p>Provide flow classification and flow definition based on IP header information such as source/destination MAC address, VLAN, 802.1p, ToS, DSCP, source/destination IP address, L4 port number, protocol type, etc.</p>		

QoS	<p>Support flow rate limiting function based on custom business flow</p> <p>Supports mirroring and redirection functions based on custom business flows</p> <p>Support priority marking based on custom service flow, support 802.1P, DSCP priority</p> <p>Remark capability Support port-based priority scheduling function, support queue scheduling algorithms such as SP/WRR/SP+WRR</p>
Safety	<p>Support user hierarchical management and password protection</p> <p>Support IEEE 802.1X authentication</p> <p>Support Radius&TACACS+ authentication</p> <p>Support MAC address learning limit, support black hole MAC function</p> <p>Support port isolation</p> <p>Support broadcast message rate suppression</p> <p>Support IP Source Guard Support ARP flood suppression and ARP spoofing protection</p> <p>Support DOS attack and virus attack protection</p>
Layer 3	<p>Support ARP learning and aging</p> <p>Support static route</p> <p>Support dynamic route RIP/OSPF/BGP/ISIS</p> <p>Support VRRP</p>
System management	<p>CLI、Telnet、WEB、SNMP V1/V2/V3、SSH2.0</p> <p>Support FTP,TFTP file upload and download</p> <p>Support RMON</p> <p>Support SNTP</p> <p>Support system work log</p> <p>Support LLDP neighbor device discovery protocol</p> <p>Support 802.3ah Ethernet OAM</p> <p>Support RFC 3164 Syslog</p> <p>Support Ping and Traceroute</p>
Environment temperature	<p>Working Temperature: -10°C ~ 55°C</p> <p>Storage temperature: -40°C ~ 70°C</p>
environment humidity	<p>Operating humidity: 10% ~ 95% (non-condensing)</p> <p>Storage humidity: 10% ~ 95% (non-condensing)</p>
environment friendly	<p>China RoHS,、 EEE</p>
weight	<p>GT0412 & GT0816: ≤5kg</p> <p>GT1628 :≤6.5kg</p>

fan	Fixed fans (three fans)
power	AC: 100~240V 47/63Hz; DC: 36V~75V;
Power consumption	GT0412 & GT0816 : 65W GT1628 : 65W
Dimensions (Width * height * depth)	GT0412 & GT0816: 440mm*44mm*260mm GT1628 : 440mm*44mm*320mm

Purchasing Information

Product name	Product description
GPON OLT 4PON GT0412	4*PON port, 4*10GE/GE SFP +4*GE RJ45 uplink port, Dual power with optional
GPON OLT 8PON GT0816	8*PON port, 4*10GE/GE SFP +4*GE RJ45 uplink port, Dual power with optional
GPON OLT 16PON GT1628	16*PON port, 4*10GE/GE SFP +8*GE RJ45 uplink port, Dual power with optional