



GM2016 GEAPON ONU



GM2016 is remote ONU equipment. it connects with OLT (Optical Line Terminal) through PON composed of fiber and Passive Optical Splitters (ODN), and managed by OLT on EPON system. It adopts mini-type compact structure design with high-integration and can provide 16*FE interfaces and layer-2 switch function. GM2016 applies to FTTB/FTTP access application for resident and business users, and Radio&Television Broadcasting bidirectional transformation.

Features

| Technical specifications | | | |
|------------------------------------|---|--------------------------|----------------|
| PON optical interface | Interface type: SC/PC Wavelength: 1310/1490nm | Fiber mode: single fiber | |
| Ethernet interface | Interface: 16*FE Standard: IEEE 802.3 Data rate: 10/100M auto-sensing Interface type: RJ45 Working mode: half/full duplex, auto-sensing MDI/MDIX: auto-sensing | | |
| Local network management interface | Physical interface: RJ45 Realize in-band network management via Ethernet service interface | | |
| Console | Physical Interface:RJ45 | Electrical level: RS232 | Baud rate:9600 |

| System features | | | |
|-----------------------|--|------------------|---|
| Data rate | Uplink/downlink 1.25Gbps | MAC address | 8k |
| Transmission distance | 20km | Split ratio | 1:64 |
| VLAN | Support IEEE 802.1Q (VLAN) Support 128 VLAN Support IEEE 802.1ad (QinQ) Support VLAN transparent transmission Support VLAN trunk Support VLAN translation | Layer-2 function | Store-and-forward mode, it supports layer-2 wire-speed forwarding Maximum frame: 1600 bytes Support broadcasting storm control Support port/flow mirroring function Support rate-limiting of bi-direction interface |
| Data flow control | Support IEEE 802.3x (full duplex flow control) and back pressure flow control (half duplex) | DBA | Bandwidth increment is 64kbit/s Support fixed bandwidth/ guaranteed bandwidth/maximal bandwidth, delay priority and etc SLA parameters |



| System features | | | |
|------------------------|--|----------------------------|---|
| Multicast | Support SCB (Single Copy Broadcast) Support IGMP V1/V2 Support IGMP Snooping Support 256 multicast groups Support multicast authority control function Support fast-leave function Support static multicast 8M bytes large cache provides protection for burst flow of IPTV service | QoS | Support IEEE 802.1P PRI& DSCP Support classification based on MAC, IP, TCP/UDP port number or ToS/Diffserv Support SP queue schedule Support 8 classes of priority queue |
| Security | Support AES-128, data encryption arithmetic for both uplink and downlink Support dynamic update of key | Management and maintenance | Centralized OLT management based on OAM Support alarm and performance statistics, flow monitoring, loop-back test, dying gasp Support long-distance on line upgrade of timing automatism and batch Support monitoring function of long-distance Ethernet cable |

| Physical specifications | | | |
|--------------------------------|--|-------------------|-----------------------------------|
| Dimension(mm) (W*D*H) | 313x160x44(1U) | Power supply | Input voltage range:AC165V~AC265V |
| Weight | <1.5kg | Power consumption | <13W |
| Environment requirement | Working temperature: 0°C~45°C Storage temperature:-10°C~70°C Humidity:10%~90% (non-condensing) | | |

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