



GM2024 GEAPON ONU



GM2024 is remote ONU of EPON series which design for the corridor application. It provides 24*FE interfaces with high-integration and convenient maintenance and management. It supports multicast. GM2024 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: 24*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

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)	480(19inch)x290x40(1U)	Power supply	Input voltage range: AC165V~AC265V
Weight	<3kg	Power consumption	<15W
Environment requirement	Working temperature: 0°C~45°C Storage temperature:-10°C~70°C Humidity:10%~90% (non-condensing)		

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