GEPON Data SFU GT81X

EasyPath GT81X (SFU) is a mini GEPON ONU series, which applies to pure broadband access.It adopts mini-type compact structure design with high-integration and can provide 1/4 *FE/GE interfaces or 1 GE interface.GT81X (SFU) series product supports layer-2 switch function and it's easy to maintenance and manage.It can be applied to FTTH/FTTP access application for resident and business users.

Details

GT810

GT810G

GT811（Metal Shell）
Version)

GT811（Plastic Shell）

GT811(Field

Features

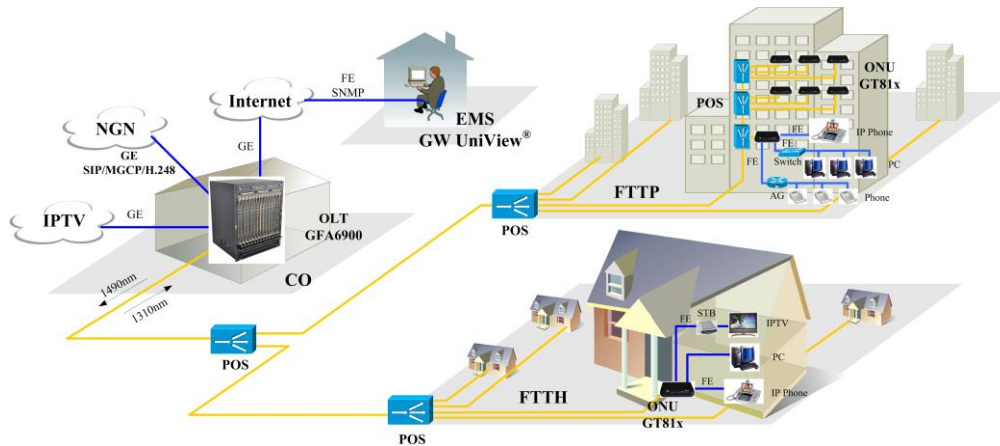| Technical specifications	
PON optical interface	Standbard:IEEE802.3ah 1000BASE-PX20+-U Interface type:SC/PC(SFP socket) Wavelength:1310/1490nm

	Fiber mode:single fiber Average launch power:0dBm~+4 dBm Receiver sensitivity:≤-27dBm Saturation receive power:≥-3dBm
Ethernet interface	Standard: IEEE 802.3 Interface:1/4*FE/GE Data rate:10/100Mbit/s auto-sensing Interface type:RJ45 MDI/MDIX:auto-sensing Working mode:full duplex/half duplex auto-sensing
Gigabit interface	Standard:IEEE 802.3 Interface:1*GE Data rate:10/100/1000M auto-sensing Interface type:RJ45 Working mode:half/full duplex,auto-sensing MDI/MDIX:auto-sensing
Local 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(1:32 split ratio)	Split ratio	1:64
VLAN	Support IEEE 802.1Q(VLAN) Support 128 VLAN at most Support IEEE 802.1ad(Q in Q) Support VLAN transparent transition	Bridge	Store-and–forward mode, it supports layer-2 wire–speed forwarding Maximum frame:1600 bytes

	Support VLAN translation Support VLAN trunk		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)and back pressure flow contrlo (half duplex)	DBA	Bandwidth increment is 64 kbit/s Support fixed bandwidth/ guaranteed bandwidth/maximal bandwidth,delay priority and etc SLAparameters
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	Management and maintenance	Centralized OLT management based on OAM Support alarm and performance statistic,flow inspection,loop-back test,dying gasp Support long-distance on line upgrade of timing automatism and batch.

	Support static multicast 8M bytes large cache provides protection for burst flow of IPTV service		Support monitoring function of long-distance Ethernet cable
Security	Support AES-128,data encryption for both upstream and downstream Support dynamic update of key	QoS	Support IEEE802.1p PRI and DSCP Support service classification based on port,MAC address,IP address,TCP/UDP port number,ToS(Type of Service)/Diffserv Support SP queue scheduling Support 4 priority queue

Application

EasyPath GT81x（SFU） can be used with the central office OLT product of EasyPath GFA6000 series.It can be connected to ODN(Optical Distribution Network)which is composed of OLT and POS(Passive Optical Splitter)through a single fiber. GT81x （SFU）can be located in the home 、office or field to provide broadband access.

Ordering information

Model	Description
GT810G	MINI EPON MODEM, 12VDC power supply (external AC220V to DC12V adaptor), 1*GE interfaces, PX20+, indoor type
GT811 (indoor type)	MINI EPON ONU, 12VDC power supply (external AC220V to DC12V adaptor), 4*FE interfaces, PX20+, indoor type
GT811 (corridor type)	MINI EPON ONU, 12VDC power supply (external AC220V to DC12V adaptor), 4*FE interfaces, PX20+, corridor type
GT811 (outdoor type)	MINI EPON ONU, AC220V power supply, 4*FE interfaces, PX20+, die casting aluminum shell, outdoor type
GT811G (indoor type)	MINI EPON ONU, 12VDC power supply (external AC220V to DC12V adaptor), 4*GEinterfaces, PX20+, indoor type
GT811G (corridor type)	MINI EPON ONU, 12VDC power supply (external AC220V to DC12V adaptor), 4*GEinterfaces, PX20+, corridor type