EasyPath GT811 GEPON ONU

EasyPath GT811 is a mini ONU (Optical Network Unit) of EPON series, which applies to Ethernet applications. It adopts mini-type compact structure design with high-integration and can provide 4 FE interfaces and layer-2 switch function. GT811 applies to FTTH/FTTP access application for resident and business users.

Features

Technical specifications	
PON optical interface	Interface type: SC/PC Fiber mode: single fiber Wavelength: 1310/1490nm
Ethernet interface	Interface: 4*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

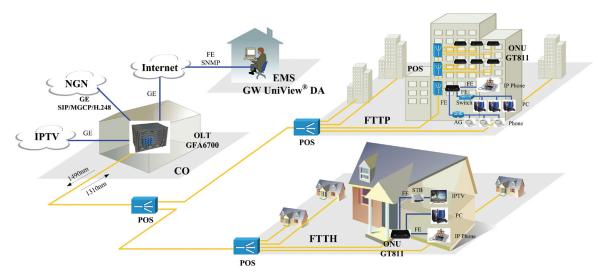| System features			
Data rate	Uplink/downlink 1.25Gbps	MAC address	8k
Transmission distance	20km	Split ratio	1:64
VLAN	Support IEEE 802.1Q (VLAN) Support 128 VLAN at most Support VLAN transparent transmission Support VLAN trunk Support VLAN translation Support IEEE 802.1ad (QinQ)	Layer-2 function	Store-and-forward 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

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 PRIDSCP Support classification based on MAC, IP, TCP/UDP port number or ToS/Diffserv Support SP queue schedule Support 4 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)	175×124×27.5	Power supply	Adopts DC12V/1.2A power supply Input voltage range: AC100V~AC240V, 47~63Hz
Weight	<0.3kg	Power consumption	<10W
Environment requirement	Working temperature: 0℃~45℃ Storage temperature:-10℃~70℃ Humidity:10%~90% (non-condensing)		

Application

EasyPath GT811 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. GT811 can be located in the home or office to provide broadband access.

Ordering Info

Part Number	Description
GT811-IBAA	standalone (metal shell, mini type),GEPON ONU，4*FE interface, single-mode, single strand, SC/PC, external 220VAC to 12V power module，20km
GT811-NBAA	standalone (metal shell, mini type),GEPON ONU，4*FE interface, single-mode, single strand, SC/PC, external 220VAC to 12V power module(Euro standard)，20km
GT811-IBCA	standalone (plastic shell, mini type),GEPON ONU,4*FE interface, single-mode, single strand, SC/PC, external 220VAC to 12V power module,20km
GT811-NBCA	standalone (plastic shell, mini type),GEPON ONU,4*FE interface, single-mode, single strand, SC/PC, external 220VAC to 12V power module(Euro standard),20km
GT811-OBAA	standalone (metal shell, mini type),GEPON ONU，4*FE interface, single-mode, single strand, SC/PC, external 60VAC to 12V power module，20km