

EasyPath GT861 GEAPON ONU

EasyPath GT861 is a remote ONU (Optical network Unit) of EasyPath GT800 series with 4 slots for service modules. It can provide 6*FE, 8*VOIP, 8*TDM and 4*E1 interfaces. Because of card-plugging design, customers can configure it flexible. It applies to FTTH and FTTP application, which provides Ethernet, telephone and E1.



Features

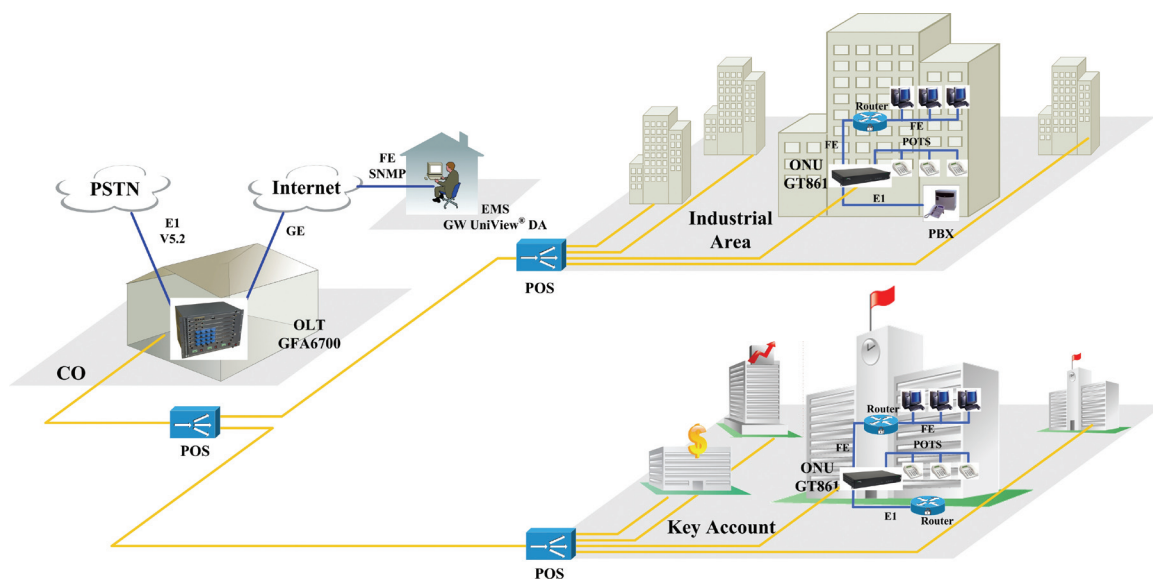
Technical specifications	
PON module	One PON module provides one EPON interface, one Console interface and 2*FE interfaces
VOIP voice module	8*POTS interfaces, support hot swap
Ethernet module	6*FE interfaces, support hot swap
TDM voice module	8 channel TDM voice service
E1 dedicated module	4 E1 interfaces
PON optical interface	Interface type: SC/PC Fiber mode: single fiber Wavelength: 1310/1490nm
Ethernet electrical interface	Interface number: 2+6/12/18/24 Standard: IEEE 802.3 Data rate: 10/100M auto-sensing Interface type: RJ45 Working mode: full/half duplex, auto-sensing MDI/MDIX: auto-sensing
POTS interface	Interfaces number: 32 Interface type: RJ11 Impedance: multiple-impedance 200W+560W//0.1μF Audio frequency compression ratio: ITU G.711A Rule Audio frequency range: 300~3400Hz Loop current: 25mA/line
VOIP interface	Interfaces number: 32 Interface type: RJ21 Protocol: MGCP, SIP, H248/MEGACO Audio frequency compression ratio: ITU G.711A Rule Constant calls: >48 hours (no interruption) Transmission distance: <3Km
E1 interface	Standard G.703 Data rate: 2048Kb/s ±50ppm Code type: HDB3 Impedance: 120ohm balanced interface Jitter: accord with G.742, G.823 standard Input permission loss: 0~6dBm Physical interface: RJ45 connector
Console interface	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
TDM voice function	Support 32 voice channels RJ11 interface, each service line is connected individually TDM over EPON patent technology Transmission delay <1.5ms	VOIP voice function	Support master/backup software switch Support Comfort Noise Generation and Restraint of echo(G.165/G.168-2000) Support T.30/T.38 fax Support supplementary services: Caller ID Display, three-way calling service, etc..
E1 dedicated service	Provide E1 user interface Provide transparent transmission of TDM service between ONU and OLT Support loop-back test function of E1 service Transmission delay<1.5ms		
VLAN	Support IEEE 802.1Q(VLAN) Support 256 VLAN Support IEEE 802.1ad(QinQ) Support VLAN transparent transmission Support VLAN trunk Support VLAN translation	Flow control	Support IEEE 802.3x (full duplex flow control) and backpressure flow control (half duplex)
Layer-2 function	Support store-and-forward mode and layer-2 wire-speed forwarding Maximum frame: 1600 bytes Support broadcasting storm control Support port/flow mirroring Support rate-limiting of bi-direction interfaces	QoS/ACL	Support IEEE 802.1P(COS 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 schedule algorithms Support 8 classes priority queuing for each port
DBA	Bandwidth increment is 64kbit/s Support fixed bandwidth/guaranteed bandwidth/maximal bandwidth, delay priority and etc SLA parameters	Security	Support AES-128, data encryption for both upstream and downstream Support dynamic update of key.

Multicast	Based on SCB(single copy broadcast)	Maintenance and Management	Support centralized management of OLT based on OAM
	Support IGMP V1/V2		Support alarm and capability statistic, flow inspection, loop-back test, remote power-fail inspection
	Support IGMP Snooping		Support long-distance on line upgrade of timing automatism and batch
	Support 256 groups		Support remote line inspection, such as short circuit, incomplete circuit, and the location of failure
	Support multicast authority control		
	Support fast-leave function of IGMP member		
	Support static multicast		
	Capacity of 8M bytes can support IPTV burst flow		
Physical specifications			
Dimension(mm) (W*D*H)	483(19 inches)×252×66(1.5U)	Power supply	Range: AC165V~AC265V
Weight	<5.5kg	Power consumption	<50W
Environment	Working temperature:0℃~45℃ Storage temperature:-10℃~70℃ Humidity: 10%~90% (non-condensing)		

Application

EasyPath GT861 works with the office device EasyPath GFA6000 Series products (OLT: Optical Line Terminal) can build the PON network through the fiber and the ODN (optical distribution network). GT861 can provide broadband and voice access for users.



Ordering Info

Part Number	Description
GT861A-B	standalone (metal shell, 1.5U),GEPON ONU,220VAC, 1 Uplink slot ,4 service slots
GT861A-L	standalone (metal shell, 1.5U),GEPON ONU,220VAC(Euro standard), 1 Uplink slot ,4 service slots