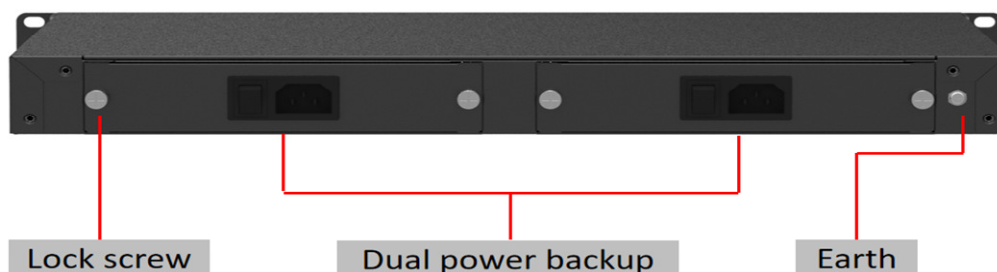
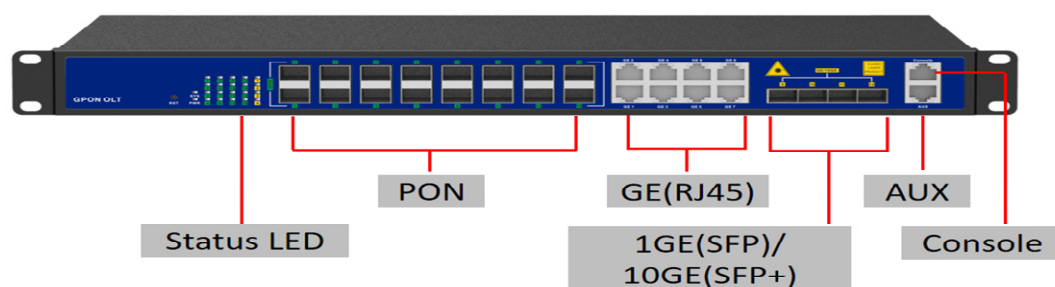


## ORIGIN L3 GPON SERIES



Open to any brand of ONU

L2/L3, Support RIP V1/V2, OSPF V1/V2

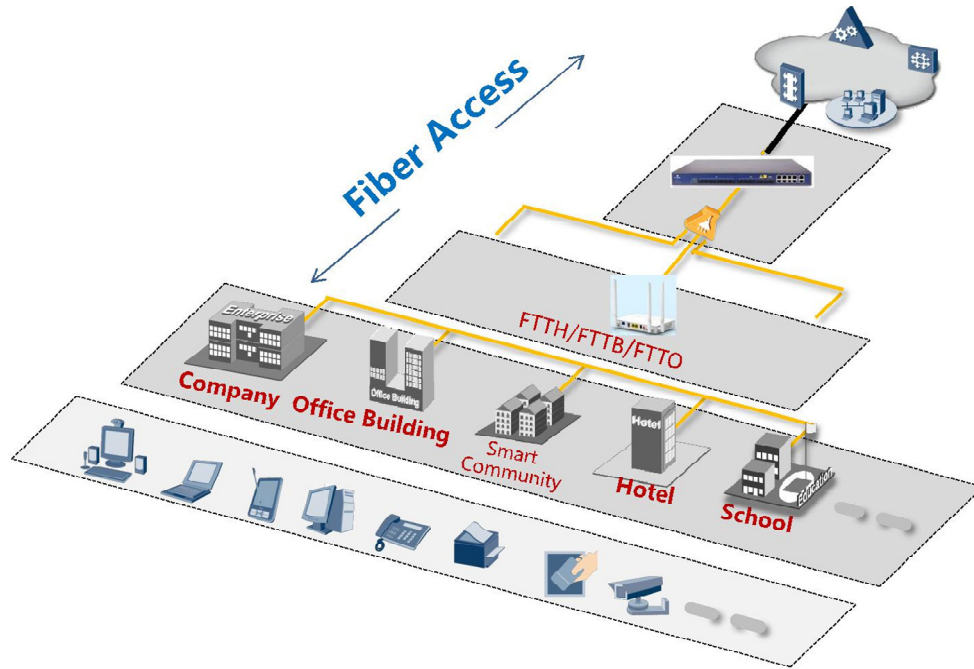
Redundant Power Supply

Built in EMS to full manage ORIGIN ONU

WebUI, user friendly configuration

4, 8 and 16 port OLT. 1U Rack mountable, support up to 4 10G SFP

## Topology



## Hospitality Triple-Play Solution

- GUEST ROOM PHONE (VOICE)
- IPTV (VIDEO)
- INTERNET ACCESS (DATA)



## Features

### Management

- SNMP
- Telnet
- CLI
- WEB

### Management

- Fan Group Detecting
- Port Status monitoring and configuration management
- Layer2 switch configuration such as VLAN, Trunk, RSTP,IGMP,QOS, etc...
- GPON management function: DBA,ONU authorization, ACL, QOS, etc...
- Online ONU configuration and management
- User management
- Alarm management.

### L2 Switching

- 16K Mac address
- Support 4096 VLANs
- Support port VLAN and protocol VLAN
- Support VLAN tag/Un-tag ,VLAN transparent transmission
- Support Vlan translation and QinQ
- Support storm control based on port
- Support port isolation
- Support port rate limitation
- Support 802.1D and 802.1W
- Support static LACP
- QOS based on port,VID,TOS and MAC address
- Access control list
- IEEE802.x flow control
- Port stability statistic and monitoring

### Multicast

- Icmp snooping
- 56 IP Multicast Groups;

### DHCP

- DHCP server
- DHCP relay
- DHCP snooping

### GPON

- Tcont DBA
- Gempport traffic
- In compliant with ITUT984.x standard
- Up to 20KM transmission Distance
- Support data encryption, multi-cast, port VLAN, separation, RSTP, etc
- Support ONU auto-discovery/link detection/remote upgrade of software
- Support VLAN division and user separation to avoid broadcast storm
- Support power-off alarm function, easy for link problem detection
- Support broadcasting storm resistance function
- Support port isolation between different ports
- Support ACL and SNMP to configure data packet filter flexibly
- Specialized design for system breakdown prevention to maintain stable system
- Support RSTP,IGMP Proxy

### Open Platform for ONU

- GPON ONU brand neutral
- FTTB / FTTH
- GPON SFP Class C++ support up to n:128 split ratio

# THE ULTIMATE FTTH SOLUTION

## EMS

- Built in EMS to support ORIGIN's ONU
- Centralized ONU statistical display
- Push configuration
- Group configuration
- Easy troubleshooting
- On line monitoring
- ONU fully remote accessible

## Protocol

- RIP v1/v2
- OSPF v1/v2
- Static
- Inter-VLAN routing
- VLAN Tagging
- QinQ, VLAN Translation

## Technical

Item		400G1	800G1	1600G1
Chassis	De Facto	1RU, 19 Inch width		
1G/10G Uplink Port	Quantity	6	16	12
	Copper 10/100/1000 Base T Auto sense	4	8	
	SFP	2	6	4
	SFP+		2	
GPON Port	Quantity	4	8	16
	Physical Interface	Singlemode SFP		
	Connector Type	Class B+/C+		
	Max splitting ratio	1:128		
Management	Out of Band	1 x 10/100BASE-T, 1 x CONSOLE port		
PON Port Specification(Class B+ module)	Transmission Distance	20KM		
	GPON port speed	Upstream 1.244G Downstream 2.488G		
	Wavelength	TX 1490nm, RX 1310nm		
	Connector	SC/UPC		
	Fiber Type	9/125μm SMF		
	TX Power	+1~+5dBm		
	Rx Sensitivity	-28dBm		
Saturation Optical Power	-8dBm			
Physical	Dimension(L*W*H)	442*200*43.6mm	442*200*43.6mm	442*320*43.6mm
	Weight	2.9kg	3.1kg	4.5kg
	AC Power Supply	AC:90~264V, 47/63Hz		
	DC Power Supply	DC:-48V	DC:-48V	X
	Double Power Module Hot Backup	√		
	Power Consumption	40W	45W	85W
Operating Environment	Working Temperature	0~+50°C		
	Storage Temperature	-40~+85°C		
	Relative Humidity	5~90%(non-conditioning)		

# THE ULTIMATE FTTH SOLUTION

## Order Information

Model	Description
<b>400G1</b>	4 x GPON, 4 x RJ45 + 2 x SFP/SFP+: 1 x AC Power Supply, Layer 3, buit in EMS
<b>800G1</b>	8 x GPON, 8 x RJ45 + 2 x SFP/SFP+ 6 x SFP: 1 x AC Power Supply, Layer 3, buit in EMS
<b>1600G1</b>	16 x GPON, 8 x RJ45 + 4 x SFP/SFP+: 1 x AC Power Supply, Layer 3, buit in EMS
<b>RPSU</b>	Redundant Power Supply, 110/230Vac
<b>GPON-SFP</b>	GPON OLT SFP Class C++
<b>SM-SFP</b>	Singlemode 1310/1490nm SFP, 1Gbps
<b>SM-SFP+</b>	Singlemode 1310/1490nm SFP+, 10Gbps

## Related Products

Model	Description
<b>Ethernet</b>	
<b>G1001E</b>	GPON ONU, 1GE
<b>G1002E</b>	GPON ONU, 4FE
<b>Ethernet + WiFi</b>	
<b>G1001EW</b>	GPON ONU, 1GE, Wi-Fi 802.11 b/g/n
<b>G1002EW</b>	GPON ONU, 1GE + 1FE, Wi-Fi 802.11 b/g/n
<b>G1003EW</b>	GPON ONU, 1GE + 3FE, Wi-Fi 802.11 b/g/n
<b>Ethernet + Voice + WiFi 'n' and 'ac'</b>	
<b>G1001EVW</b>	GPON ONU, 1GE + 1FE + 1FXS, Wi-Fi 802.11 b/g/n
<b>G1002EVW</b>	GPON ONU, 1GE + 3FE + 2POTS, Wi-Fi 802.11 b/g/n
<b>G1003EVW</b>	GPON ONU, 2GE+1POTS, Wi-Fi 802.11 b/g/n/ac

Company Name :

Address and Contact :