

EPON/GPON Reverse POE ONU series

COMCAST GROUP



Content

Product Description	3
Ordering information	3
Application	4
Thecnical Parameters.....	5
Panel Light Descripion.....	6
Interface Description	7
Software features	8
Software Parameter	9

Product Description

EPON/GPON Reverse PoE(PD) ONU with reverse PoE designed for fulfilling FTTH request of telecom operators, internet access of SOHO. This product is support EPON model or GPON model, which has high performance/price ratio, and the technology of layer 2 Ethernet switch as well. It is highly reliable and easy to maintain, with guaranteed QoS. Its EPON model is fully compliant to technical regulations such as IEEE802.3ah and technical requirement of EPON Equipment, Its GPON model is fully compliant to ITU-TG.984.x. ONU is powered by the power sourcing equipment (PSE) deployed in users' residences, applied in scenarios where there is no alternating current (AC) power supply in corridors.



4FE+Reverse PoE (PD) ONU

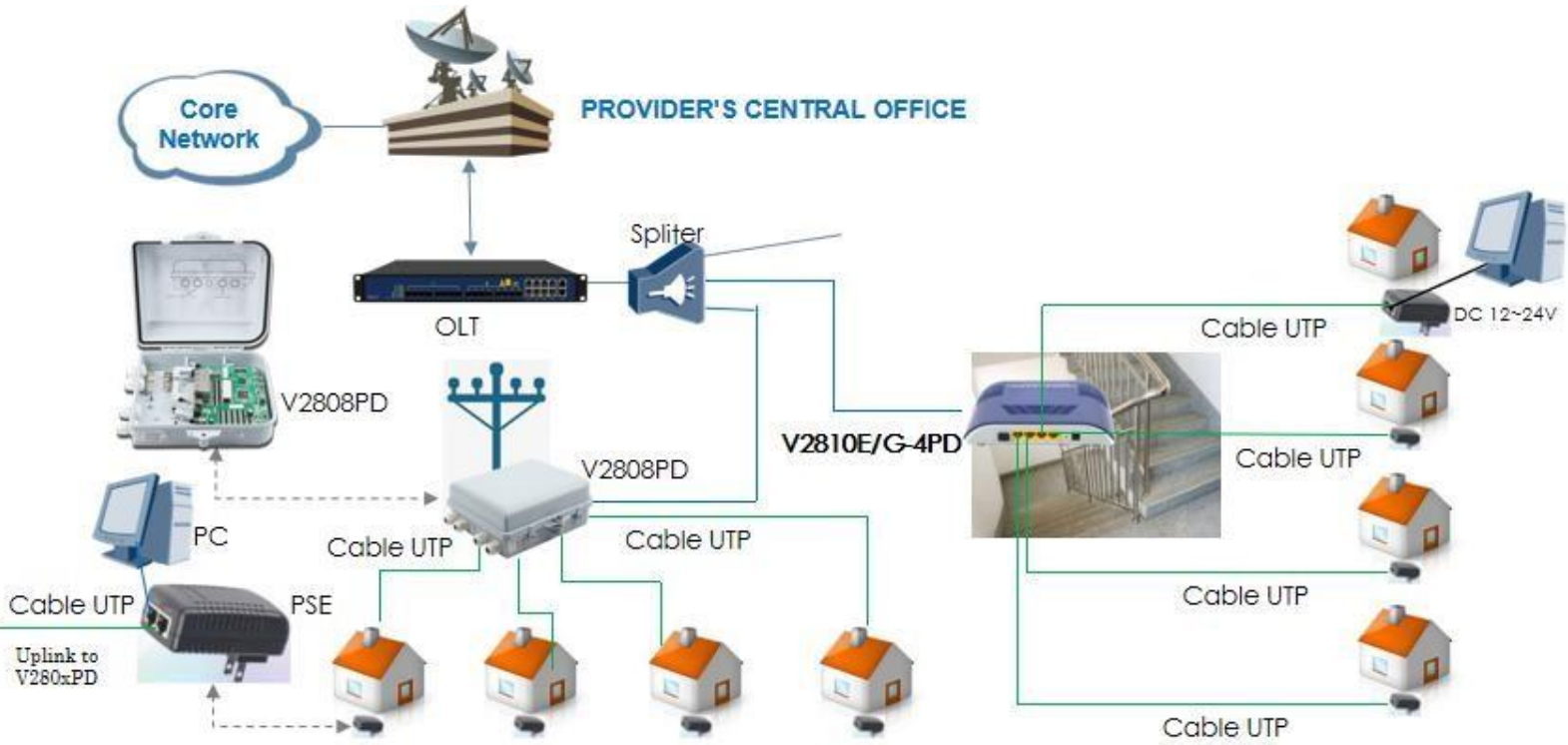


8FE+Reverse PoE (PD) ONU

Ordering information

Product model	Product specification	Chipset	SDRAM
V2810E-4PD	1EPON+4FE+Reserve POE	ZTE	32MB
V2810G-4PD	1GPON+4FE+Reserve POE		
V2808PD-ZE	1EPON+8FE+Reserve POE		
V2808PD-ZG	1GPON+8FE+Reserve POE		

Application



Thecnical Parameters

Technical item	4FE+Reverse PoE (PD)	8FE+Reverse PoE (PD)
PON interface	1EPON port(PX20+) or 1GPON port(Class B+)	
Wavelength	Tx1310nm,Rx 1490nm	
Optical interface	SC/UPC connector	
LAN interface	4 x 10/100Mbps auto adaptive Ethernet interfaces.10/100M Full/Half, RJ45 connector	8 x 10/100Mbps auto adaptive Ethernet interfaces.10/100M Full/Half, RJ45 connector
LED	8, For Status of POWER、LOS、PON、LAN、SYS、PoE	20, For Status of POWER、LOS、PON、LAN、SYS、PoE
Operating condition	Temperature: -30℃~+60℃ Humidity: 10%~90% (non-condensing)	
Storing condition	Temperature : -40℃~+85℃ Humidity :10%~90% (non-condensing)	
POE Power supply	Reserve POE: +12~+24VDC	Reserve POE: +24~+57VDC
DC Power(option)	DC 12V/0.5A	DC 12V/1A
Power consumption	≤6W	≤8W
Dimension(LxWxH)	185mm×185mm×34mm	280mm×250mm×100mm
Net weight	0.25Kg	0.8Kg

Panel Light Description

LED	Mark	Status	Description
Power	PWR	On	The device is powered up.
		Off	The device is powered down.
Optical signal loss	LOS	Blink	Device does not receive optical signals.
		Off	Device has received optical signal.
Registration	REG	On	The device is registered to the PON system.
		Off	Device is not registered to the PON system.
		Blink	Device registration is incorrect.
		Fast Blink	Port is sending or/and receiving data.
Interface	LINK/ACT	On	Port is connected properly .
		Off	Port connection exception or not connected.
		Blink	Port is sending or/and receiving data.
Powered Device	POE	On	Device Powered by the PSE.
		Off	Device Powered by the DC.
System	SYS	On / Off	System is not running or fatal error
		Blink	Normal running

Interface Description

Port Type	Function
PON	Connect PON port with internet by SC/UPC type, single mode optical fiber cable.
LAN 1/2/3/4/5/6/7/8	Connect device with ethernet port by RJ-45 cat5 cable.
POE	Connect power sourcing equipment (PSE).
RST	Press down reset button and keep 1-5 seconds to make the device restart and recover from the factory default settings.
DC12V	Connect with power adapter.
Power On/OFF★	Power turn on/off.
Console★	Console port.

Note:

1. ONU can be powered by any one, some or all of the 4/8 lan ports. It also can be powered by external 12V DC adapter.
2. When press RST button over 3 seconds, onu will restart and recover from the factory default settings.
3. With ★ tags, it is only for 8 port POE.

Software features

Software Key Feature	
Software Mode	Bridging and Routing mode.
ACL Rules	ACL, Spanning Tree
Alarm	Hardware Dying Gasp
O&M	WEB/TELNET/OAM/OMCI

Software Parameter

Parameter Name	Software Parameters
Basic	Support MPCP discover®ister Support authentication Mac/Loid/Mac+Loid Support Triple Churning Support DBA bandwidth Support auto-detecting, auto-configuration, and auto firmware upgrade Support authentication SN/Psw/Loid/Loid+Psw
Alarm	Support Dying Gasp Support Port Loop Detect Support Eth Port Los
LAN	Support Port rate limiting Support Loop detection Support Flow control Support Storm control
VLAN	Support VLAN tag mode Support VLAN transparent mode Support VLAN trunk mode(max 8 vlans) Support VLAN 1:1 translation mode(max 8 vlans) Auto VLAN detection
Multicast	Support IGMPv1/v2,IGMP Snooping Max Multicast vlan 8 Max Multicast Group 64
QoS	Support 4 queues,SP and WRR and IEEE802.1p
L3	Support IPv4,DHCP/PPPOE/Static IP and NAT Support Static route
Management	Support CTC OAM 2.0 and 2.1 (EPON) Support ITUT984.x OMCI (GPON) Support WEB/TELNET/CLI
Throughput	Upstream >900Mbps Downstream >960Mbps
Packet lost	14Hours /Lost 0

For More Information

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