

Wodaplug 1U Pizza-Box EPON OLT

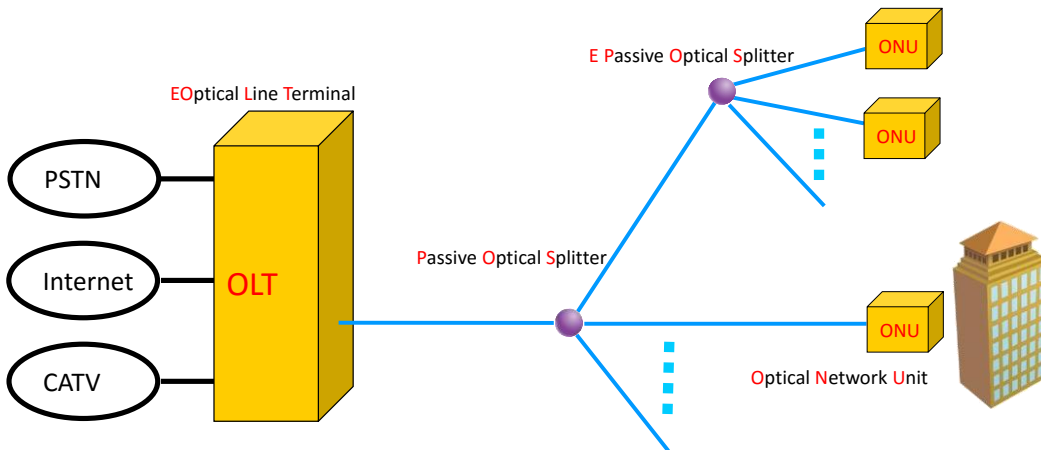
WDS 1U4PGE GEAPON OLT (part no: WDS1U4PGE)



Wodaplug Pizza-Box OLT series products is 1U high 19 inch rack mount product. The features of the OLT are small, convenient, flexible, easy to deploy, high performance. It is appropriate to deploy in an compact room environment.

The OLT can use for “Triple-Play”, CPN, IP Camera, Enterprise LAN and IOT applications. It is a high performance products. **Our products use the best – CORTINA CS8032 Chipset !**

Wodaplug FD1104SN provides 4GE and 4 SFP slots interface for uplink, and 4 EPON ports for downstream. It can support 256 ONU under 1:64 splitter ratio.



Functional Features

- Support 4 PON ports at most.
- Support 256 ONU (by 1:64 splitting ratio within 10km).
- provides 4GE(copper) and 4SFP slots Combo interface for uplink.
- Layer-two link rate switch.
- MAC Address Capacity: 16K
- VLAN supported number:4096
- ONU auto-detection and registration
- Dynamic bandwidth allocation.
- Support online upgrading and ONU batch upgrade.
- Management Interface: Support in-band and out-band management.
- Management Mode: CLI, TELNET

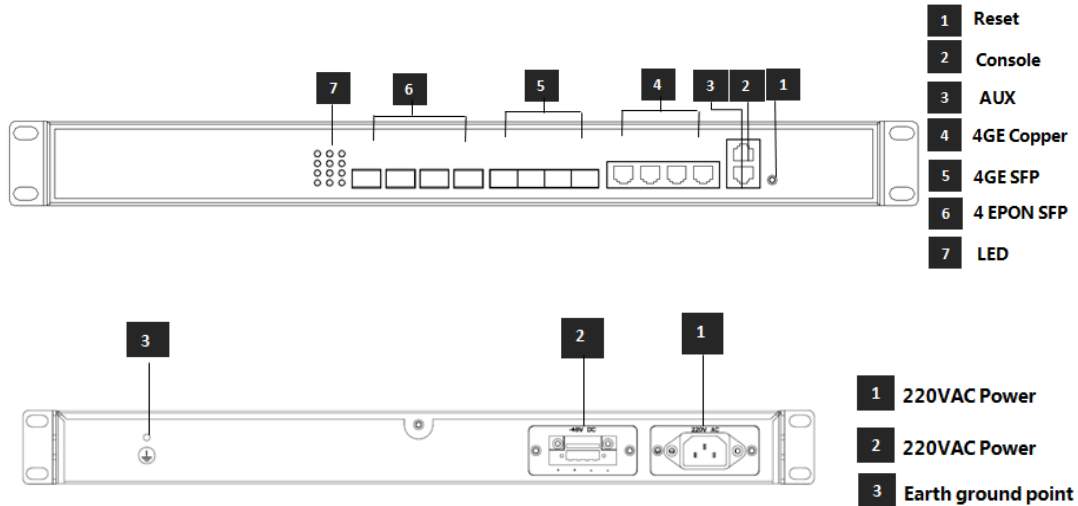
Wodaplug 4 and 8 port OLT support templates, so you can configure ONUs based on template management (provisioning)!

Easy configuration using EMS (mysql and SNMP based) central management system and standard CLI command line interface!

Dual 220V Power Supply - two redundant PSUs !!

Appearance and Interface

The WDS1U4PGE 1U high Pizza-Box, can be mounted into the standard 19" rack. Demission of machine frame: 390 mm (Length) x 250 mm (Width) x 44 mm (Height).



Wodaplug WDS1U4PGE EPON has 4 EPON SFP ports, 4GE(copper) and 4SFP slots Combo interface for uplink, 1 console port and 1 GE network management port.

Specifications

Item		Parameter
Uplink Port	QTY	8
	Copper	10/100/1000M auto-negotiable,RJ45:4pcs
	SFP	4 SFP slots
PON Port	QTY	4
	Physical Interface	SFP Slots
	Connector Type	1000BASE-PX20+
	Max splitting ratio	1:64
Management Ports		1*10/100/1000Mauto-negotiable outband port 1CONSOLE port
PON Port Specification (Apply to C-Data PON module)	Transmission Distance	20KM
	PON port speed	Symmetrical 1.25Gbps
	Wavelength	1490nm TX,1310nm RX
	Connector	SC/PC
	Fiber Type	9/125μm SMF
	TX Power	+2.5~+7dBm
	Rx Sensitivity	-27dBm
Saturation Optical Power	-6dBm	
Management Mode		SNMP, Telnet, CLI management mode.
Management Function		Fan Group Detecting Port Status monitoring and configuration management;

		<p>Layer-2 switch configuration such as Vlan, Trunk ,RSTP,IGMP ,QOS, etc;</p> <p>EPON management function: DBA ,ONU authorization, ACL ,QOS ,etc;</p> <p>Online ONU configuration and management</p> <p>User management</p> <p>Alarm management</p>
Layer-two Switch		<p>Support port Vlan and protocol Vlan</p> <p>Support Vlan tag/Untag ,vlan transparent transmission;</p> <p>Support 4096 VLAN</p> <p>Support 802.3dd trunk</p> <p>Support RSTP</p> <p>Support QOS based on port ,VID,TOS and MAC address</p> <p>Support IGMP Snooping</p> <p>Support 802.x flow control</p> <p>Support Port stability statistic and monitoring</p>
EPON Function		<p>Support port-based rate limitation and bandwidth control;</p> <p>In compliant with IEEE802.3ah Standard</p> <p>Up to 20KM transmission Distance</p> <p>Support data encryption, group broadcasting, port Vlan separation, RSTP, etc.</p> <p>Support Dynamic Bandwidth Allocation (DBA)</p> <p>Support ONU auto-discovery/Link detection/remote upgrade of software;</p> <p>Support VLAN division and user separation to avoid broadcast storm;</p> <p>Support various LLID configuration and single LLID configuration .Different user and different service could provide different QoS by means of different LLID channels.</p> <p>Support power-off alarm function ,easy for link problem detection</p> <p>Support broadcasting storm resistance function</p> <p>Support port isolation between different ports</p> <p>Support ACL and SNMP to configure data packet filter flexibly</p> <p>Specialized design for system breakdown prevention to maintain stable system</p> <p>Support dynamic distance calculation on EMS online</p> <p>Support RSTP,IGMP Proxy</p>
	Dimension	440*251mm*44mm(L*W*H)
	Weight	3.8kg
	Power Supply	220VAC: AC: 90V~240V, 47/63Hz
	Power Consumption	34W
Operating Environment	Working Temperature	0~50℃
	Storage Temperature	-40~85℃
	Relative Humidity	5~90%(non-condensing)