



## V2808-8GL

1\*XPON+8GE MDU

### Key Features:



XPON Dual Mode  
Adaptive EPON/GPON



Detection of illegal ONU



Firewall Functions



Wide operating  
temperature range  
-10°C~+55°C



### Introduction:

V2808-8GL ( XPON 8GE MDU ) is a broadband access device specially designed to meet the needs of telecom operators for FTTO (Office), FTTD (Desktop), FTTH (Home), SOHO access, and video surveillance access. This ONU is based on high-performance chip solutions, and also supports Layer 2 functions, providing data service for carrier-grade FTTH applications.

This ONU has high reliability, can be used in environments with a wide range of temperatures, and has a powerful firewall function that is easy to manage and maintain. It can provide QoS guarantee for various data services. It conforms to a series of international technical standards such as IEEE802.3ah and ITU-T G.984.

### Product Application:



## ○ Hardware Parameter

Dimension	205*125*28mm(L×W×H)
Net weight	0.615kg
Operating condition	<ul style="list-style-type: none"> <li>• Operating temp: -10 ~ +55°C</li> <li>• Operating humidity: 10 ~ 90% (non-condensing)</li> </ul>
Storing condition	<ul style="list-style-type: none"> <li>• Storing temp: -30 ~ +70°C</li> <li>• Storing humidity: 10 ~ 90% (non-condensing)</li> </ul>
Power adapter	DC 12V, 1A, external AC-DC power adaptor
Power supply	≤12W
Interfaces	8*GE,1*CONSOLE
Indicators	Power, PON, LOS, SYS,LAN1-8

## ○ Interface Parameter

PON interface	<ul style="list-style-type: none"> <li>• 1XPON port(EPON PX20+ and GPON Class B+)</li> <li>• SC single mode, SC/UPC connector</li> <li>• TX optical power: 0~+4dBm</li> <li>• RX sensitivity: -27dBm</li> <li>• Overload optical power: -3dBm(EPON) or -8dBm(GPON)</li> <li>• Transmission distance: 20KM</li> <li>• Wavelength: TX 1310nm, RX1490nm</li> </ul>
LAN interface	8*GE, Adaptive Ethernet interface, RJ45 connector
CONSOLE port	Used for managing ONU, serial port

## ○ Function Data

PON mode	XPON Dual Mode , Can access mainstream EPON/GPON OLTs
Abnormal protection	Supports detecting illegal ONU
Firewall Function	Support DDOS, Filtering Based on ACL/MAC/URL

## ○ Function Data

Basic functions	<ul style="list-style-type: none"> <li>• MPCP discovery and registration</li> <li>• Mac/oid/Mac+Loid authentication</li> <li>• Triple Churning</li> <li>• DBA bandwidth</li> <li>• Automatic detection, configuration, and firmware upgrade</li> <li>• SN/Psw/oid/oid+Psw authentication</li> </ul>
Alarm	<ul style="list-style-type: none"> <li>• Dying Gasp</li> <li>• port loop detection</li> <li>• Eth Port Loss</li> </ul>
LAN	<ul style="list-style-type: none"> <li>• Supports port rate restrictions</li> <li>• Supports loop detection</li> <li>• Supports flow control</li> <li>• Supports storm control</li> </ul>
VLAN	<ul style="list-style-type: none"> <li>• VLAN tag mode</li> <li>• VLAN transparent mode</li> <li>• VLAN trunk mode (up to 8 vlan)</li> </ul>
Multicast	<ul style="list-style-type: none"> <li>• IGMPv1/v2/Snooping</li> <li>• Up to 8 multicast vlan</li> <li>• Up to 64 multicast groups</li> </ul>
QOS	<ul style="list-style-type: none"> <li>• Supports 4 queues</li> <li>• Supports SP and WRR</li> <li>• Supports 802.1P</li> </ul>
Management	<ul style="list-style-type: none"> <li>• CTC OAM 2.0 and 2.1</li> <li>• ITU-T 984. x OMCI</li> <li>• Support for WEB</li> <li>• Support for TELNET</li> <li>• Support for CLI</li> </ul>

Product Name	Product Description	Accessories
V2808-8GL	8*GE	AC-DC power adaptor: DC12V/1A