



# V2801D-1GT1

XPON+1GE+CATV ONT



### Key Features:



ZTE Chipset  
High Performance Solution



XPON Dual Mode  
Automatically Access to  
EPON/GPON



Routing & Bridging Mode



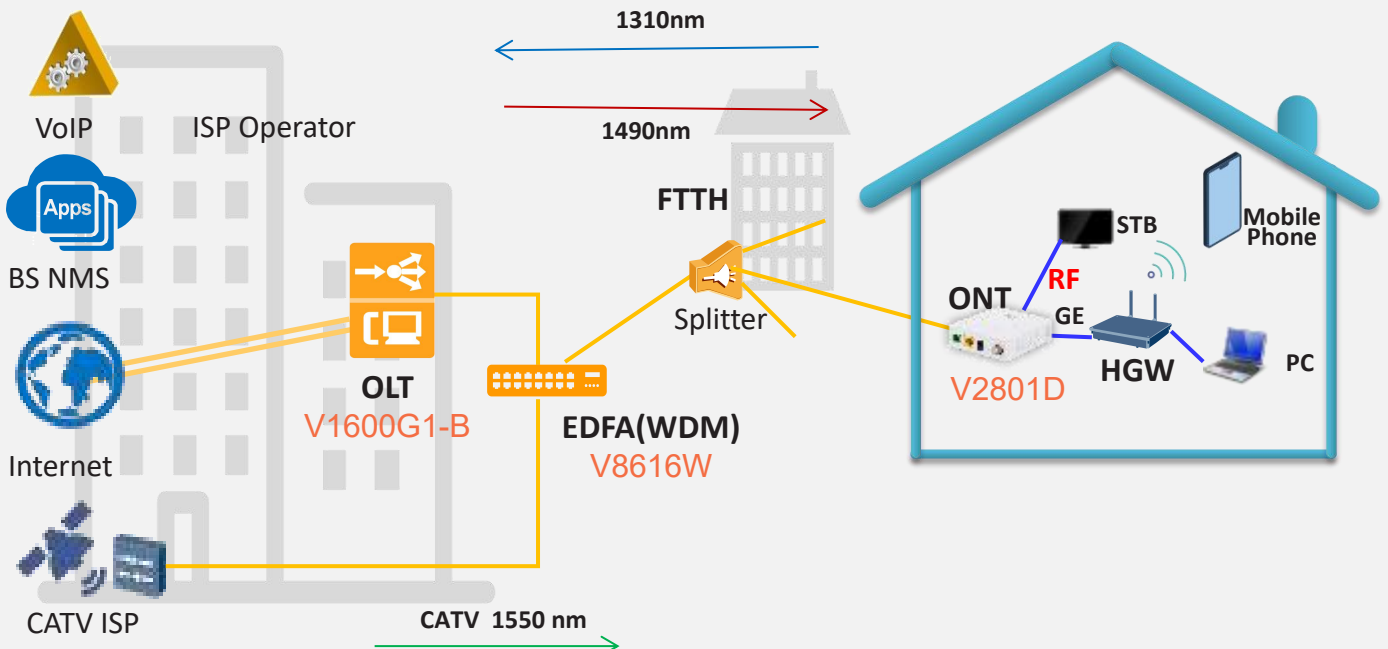
Remote Control  
CATV(with AGC) on/off

### Introduction:

XPON 1GE+CATV ONT is support Dual mode(EPON and GPON), It can also be applied to a wide temperature environment, and also has a powerful firewall function.

XPON 1GE+CATV ONT meets telecom operators FTTO (office), FTTD (Desk), FTTH(Home) broadband access, TV and other requirements. The box is based on the mature Gigabit GPON/EPON technology, highly reliable and easy to maintain, with guaranteed QOS for different service. And it is fully compliant with technical regulations such as ITU-T G.984.x and IEEE802.3ah.

### Application Chart:



## ○ Hardware Parameter

Dimension	100mm×92mm×30mm (L×W×H)
Net weight	130g
Operating condition	<ul style="list-style-type: none"> <li>• Operating temp: 0 ~ +50°C</li> <li>• Operating humidity: 10 ~ 90% (non-condensed)</li> </ul>
Storing condition	<ul style="list-style-type: none"> <li>• Storing temp: -30 ~ +70°C</li> <li>• Storing humidity: 10 ~ 90% (non-condensed)</li> </ul>
Power adapter	DC 12V/0.5A, external AC-DC power adaptor
Power supply	≤4.2W
Interfaces	1GE+CATV
Indicators	POWER, LOS, PON, LAN, CATV

## ○ 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/APC 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, CATV 1550nm</li> </ul>
LAN interface	1*GE Auto-negotiation RJ45 ports
CATV interface	<p>V2801D V2:</p> <ul style="list-style-type: none"> <li>• RF Optical power : +2~-18dBm</li> <li>• Optical receiving wavelength: 1550±10nm</li> <li>• RF frequency range: 47~1000MHz</li> <li>• RF output impedance: 75Ω</li> <li>• RF output level: ≥ 70dBuV(0~-15dBm)</li> <li>• AGC range: 0~-15dBm</li> <li>• MER: ≥32dB(-14dBm optical input)</li> </ul> <p>V2801D V3:</p> <ul style="list-style-type: none"> <li>•RF Optical power : 0~-3dBm</li> <li>•Optical receiving wavelength: 1550±10nm</li> <li>•RF frequency range: 47~1000MHz</li> <li>•RF output impedance: 75Ω</li> <li>•RF output level: ≥ 60dBuV (0~-3dBm)</li> <li>•AGC range: not support</li> <li>•MER: ≥32dB(0~-3dBm optical input)</li> </ul>

## ○ Function Data

PON mode	XPON Dual Mode
Uplink Mode	Bridging and Routing Mode Well connect with OLTs of mainstream
CATV	Support CATV Rremote management
Standard	<ul style="list-style-type: none"> <li>• Support CTC OAM 2.1 and 3.0</li> <li>• Support ITUT984.x OMCI</li> </ul>
Layer2	<ul style="list-style-type: none"> <li>• 802.1D&amp;802.1ad bridging</li> <li>• 802.1p CoS</li> <li>• 802.1Q VLAN</li> </ul>
Layer3	<ul style="list-style-type: none"> <li>• IPv4</li> <li>• DHCP Client/Server</li> <li>• PPPoE, NAT, DMZ, DDNS</li> </ul>
Multicast	• IGMP v2/v3, IGMP snooping
Security and Firewall	<ul style="list-style-type: none"> <li>• Prevent Rogue ONU</li> <li>• DDOS, Filtering Based on ACL/MAC/URL</li> </ul>
O&M	Support EMS\WEB\Telnet\CLI and unified network management of VSOL OLT

Product Name	Product Description	Accessories
V2801D V2	1GE+CATV(AGC)	AC-DC power adaptor: DC12V/0.5A
V2801D V3	1GE+CATV(Passive)	AC-DC power adaptor: DC12V/0.5A