

V2801D-1GT1

XPON+1GE+CATV ONT

Key Features:

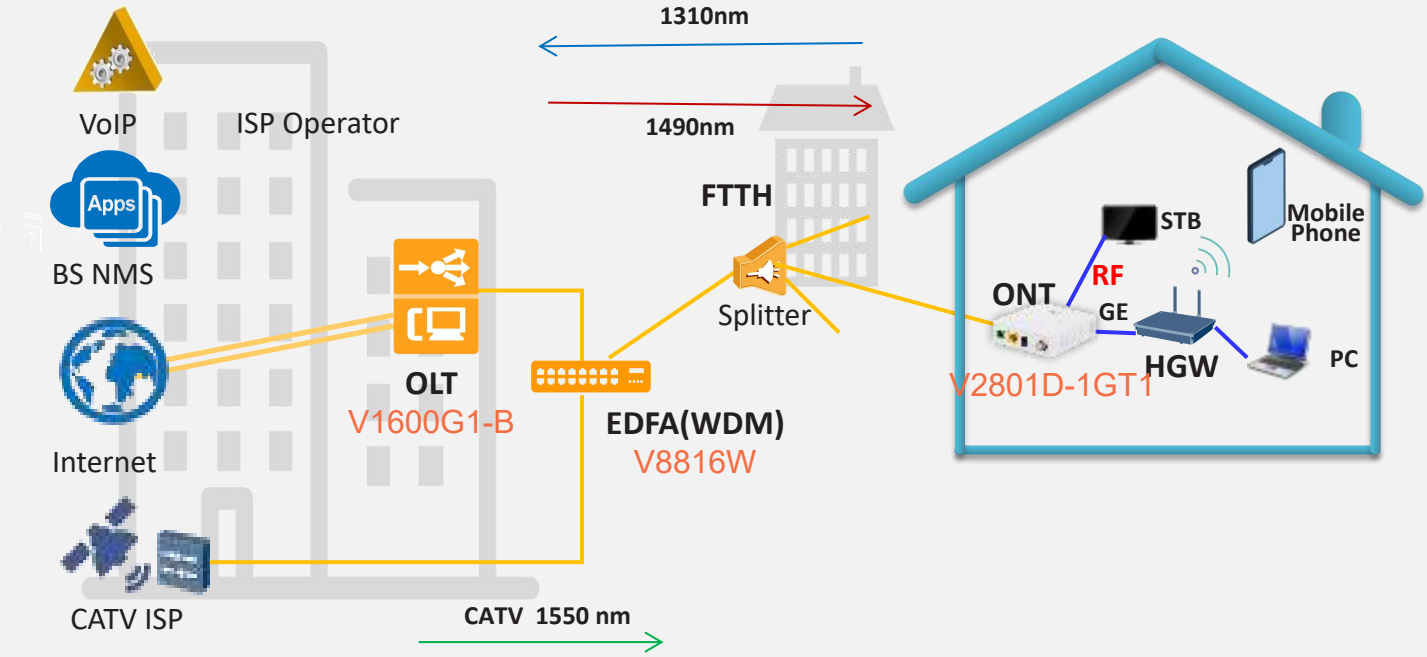
- High Performance Solution
- XPON Dual Mode Automatically Access to EPON/GPON
- Routing & Bridging Mode
- Remote Control CATV(with AGC) on/off

Introduction:

V2801D-1GT1 (XPON 1GE+CATV ONT) is specially designed to meet the FTTO (office), FTTD (desktop), FTTH (home), TV and other needs of telecom operators. The ONT is based on a high-performance chip solution, supports dual-mode (EPON and GPON), and also supports Layer 2/Layer 3 functions, providing data services for carrier-grade FTTH applications.

The ONT has high reliability and can be used in wide temperature environments. It also has powerful firewall functions and is easy to manage and maintain. It can provide QoS guarantee for different services. It conforms to international technical standards such as IEEE802.3ah and ITU-T G.984.

Application Chart:



Hardware Parameter

Dimension	100mm×92mm×30mm（L×W×H）
Net weight	140g
Operating condition	• Operating temp: -10 ~ +55°C • Operating humidity: 5 ~ 95% (non-condensing)
Storing condition	• Storing temp: -40 ~ +70°C • Storing humidity: 5 ~ 95% (non-condensing)
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	• 1XPON port(EPON PX20+ and GPON Class B+) • SC single mode, SC/APC connector • TX optical power: 0～+4dBm • RX sensitivity: -27dBm • Overload optical power: -3dBm(EPON) or -8dBm(GPON) • Transmission distance: 20KM • Wavelength: TX 1310nm, RX1490nm, CATV 1550nm
LAN interface	1*GE Auto-negotiation RJ45 ports
CATV interface	• RF Optical power : +2～-18dBm • Optical receiving wavelength: 1550±10nm • RF frequency range: 47～1000MHz • RF output impedance: 75Ω • RF output level: ≥ 70dBuV(0～-15dBm) • AGC range: 0～-15dBm • MER: ≥32dB(-14dBm optical input)\

Function Data

PON mode	XPON Dual Mode
Uplink Mode	Bridging and Routing Mode Well connect with OLTs of mainstream
CATV	Support CATV Remote management
Standard	• Support CTC OAM 2.1 and 3.0 • Support ITUT984.x OMCI
Layer2	• 802.1D&802.1ad bridging • 802.1p CoS • 802.1Q VLAN
Layer3	• IPv4 • DHCP Client/Server • PPPoE, NAT, DMZ, DDNS
Multicast	• IGMP v2/v3, IGMP snooping
Security and Firewall	• Prevent Rogue ONU • DDOS, Filtering Based on ACL/MAC/URL
O&M	Support EMS\WEB\Telnet\CLI and unified network management of VSOL OLT

Ordering Information:

Product Name	Product Description	Accessories
V2801D-1GT1	1GE+CATV(AGC)	AC-DC power adaptor: DC12V/0.5A



V2801D-1GT1

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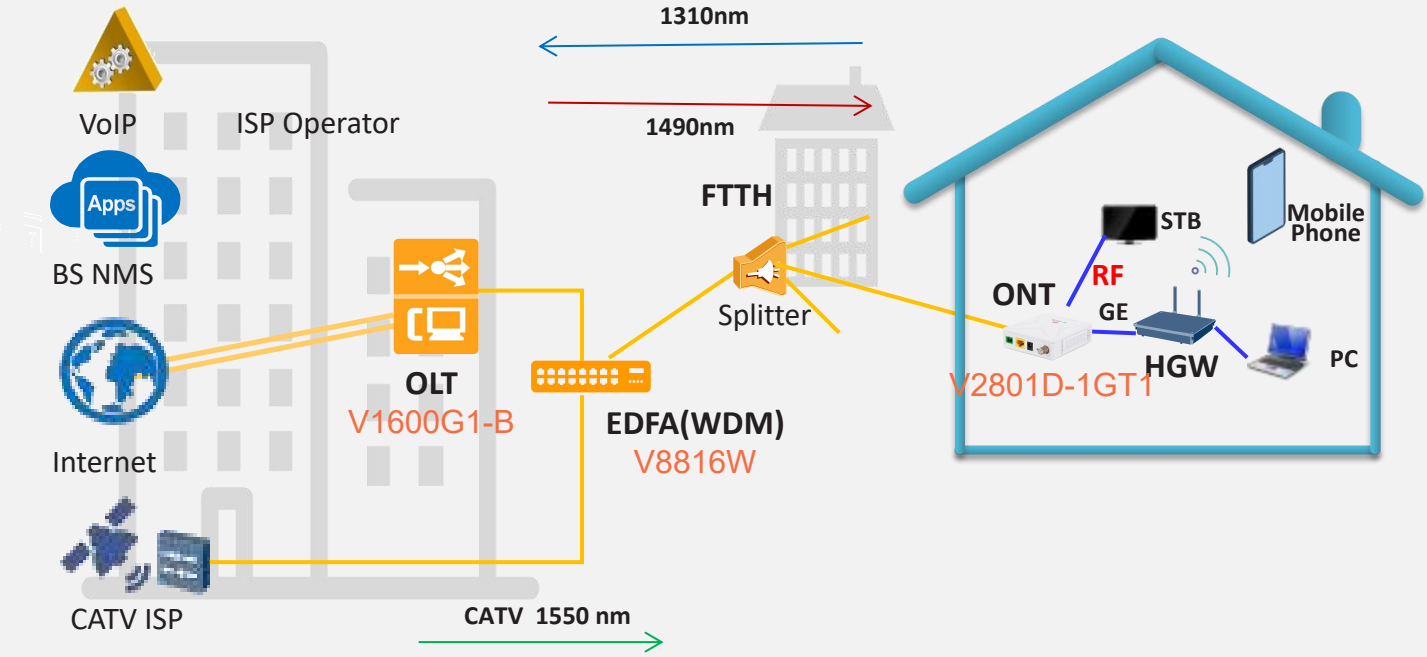
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LAN interface	1*GE Auto-negotiation RJ45 ports
CATV interface	• Optical receiving wavelength: 1550±10nm • Optical input range: +2～-18dBm • Optical reflection loss: ≥40dB • RF frequency range: 47～1000MHz • RF output impedance: 75Ω • RF output level and AGC range: ≥81±2dBuv@+1～-10dBm ≥79±2dBuv@ 0～-11dBm ≥77±2dBuv@-1～-12dBm ≥75±2dBuv@-2～-13dBm ≥73±2dBuv@-3～-14dBm ≥71±2dBuv@-4～-15dBm • MER: ≥32dB(-14dBm optical input)

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V2801D-B-1GT1

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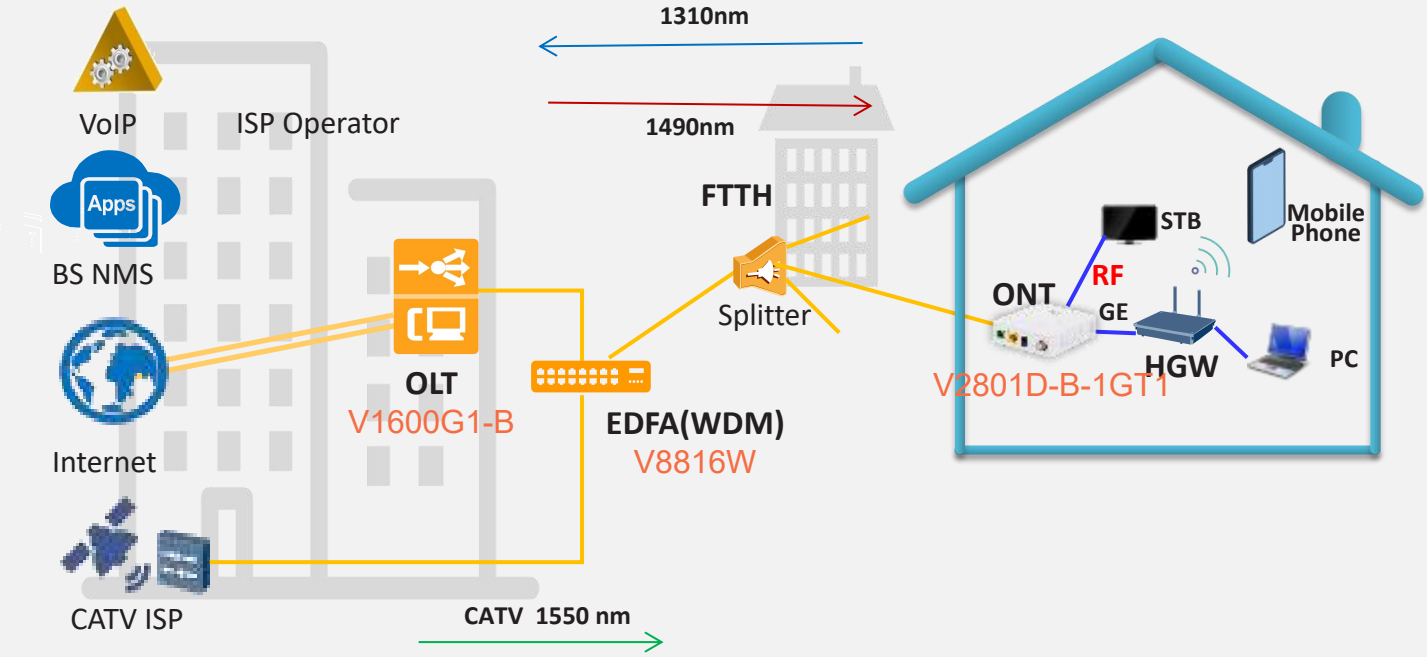
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