



V2804ZT-1G3F

1*XPON+1GE+3FE+CATV SFU ONU

Key Features:



High Performance
SoC Solution



XPON Mode
Automatically Access to
EPON/GPON



PON port hidden design,
compact and space-saving



AGC Auto Gain,
Stable CATV Signal

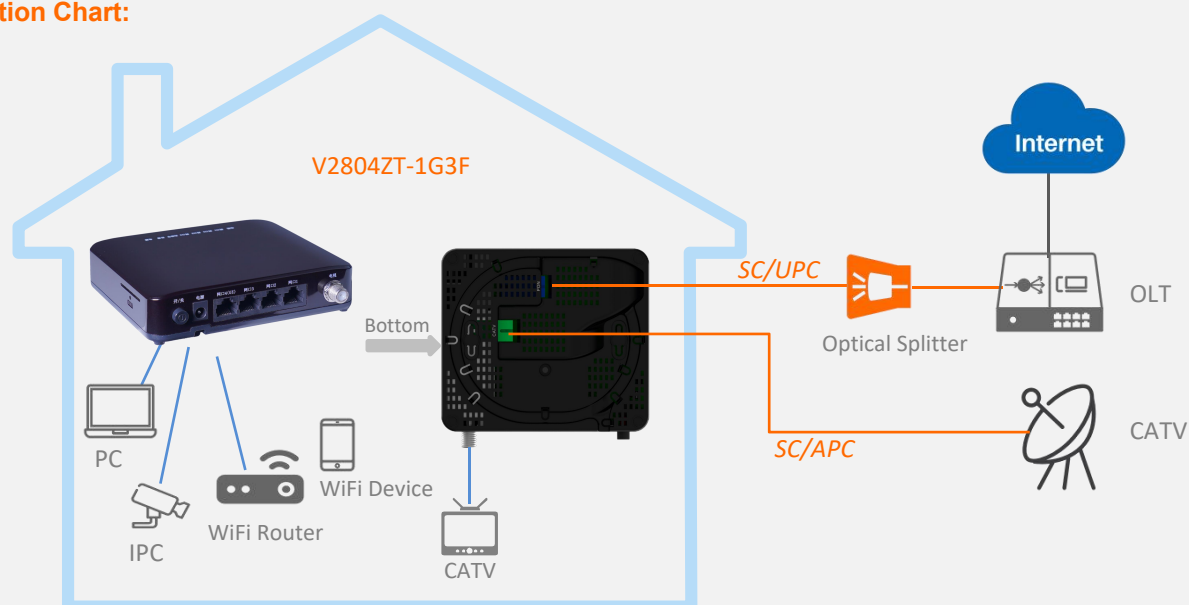
Introduction:

V2804ZT-1G3F is an XPON 4GE+CATV SFU ONU, tailored for operator scenarios including FTTH, FTTN, FTTC, SOHO and video surveillance access.

Built on a high-performance chip solution, it supports EPON/GPON XPON dual-mode and complete Layer 2 functions. The integrated CATV module that supports AGC function for stable TV signal performance.

It complies with IEEE 802.3ah and ITU-T G.984 standards, supports OAM/OMCI for remote management via VSOL OLT, and delivers high reliability, easy maintenance and full QoS multi-service guarantee.

Application Chart:



○ Hardware Parameter

Dimension	130mm*110mm*27.5mm(L*W*H)
Operating condition	- Operating temp: 0 ~ +50°C - Operating humidity: 5 ~ 90% (non-condensing)
Storing condition	- Storing temp: -30 ~ +60°C - Storing humidity: 5 ~ 90% (non-condensing)
Power adapter	DC 12V/1A, external AC-DC power adaptor
Power supply	≤12W
Interfaces	1GE+3FE+CATV
Indicators	POWER, PON, LOS, LAN1~LAN4, CATV

○ Interface Parameter

PON interface	1 XPON port(EPON PX20+ & GPON Class B+) - SC single mode, SC/UPC connector - TX optical power: 0~+4dBm - RX sensitivity: -27dBm - Overload optical power: -8dBm - Transmission distance: 20KM - Wavelength: TX 1310nm, RX1490nm
LAN interface	1*GE+3*FE, Auto-negotiation RJ45 connectors
CATV Interface	1*CATV optical interface: SC/APC connector - Optical receiving wavelength: 1550±10nm - AGC Receiving Power Range: -13~-3dBm - Return loss: >45dB - RF frequency range: 47~1000MHz - RF output impedance: 75Ω - MER:≥35.8dB (@-12dBm Optical Receiving power)

○ Function Data

XPON Mode	Dual mode,Auto-access to EPON/GPON OLT
Abnormal protection	Detecting Rogue ONU
Firewall	DDOS, Filtering Based on ACL/MAC

○ Product Feature

Basic	- Support MPCP discover&register - Support authentication Mac/Loid/Mac+Loid - Support Triple Churning - Support DBA bandwidth - Support SN/Psw/Loid/Loid+Psw authentication
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 1:1 translation mode(≤8 vlans)
Multicast	- Support MLD - Support IGMPv1/v2/Snooping - Max Multicast vlan 8 - Max Multicast Group 64
QoS	- Support 4 queues - Support SP and WRR - Support 802.1P
Management	- Support CTC OAM 2.0 and 2.1 - Support ITUT984.x OMCI - Support WEB/TELNET/CLI

Product Name	Product Description	Accessories
V2804ZT-1G3F	XPON+1GE+3FE+CATV	AC-DC power adaptor: DC12V/1A