

1GE +CATV XPON ONU

Model No.: FVPN-G100C



OVERVIEW

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.

KEY FEATURES

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	<p>FVPN-G100C V2:</p> <p>RF Optical power : +2~-18dBm</p> <p>Optical receiving wavelength: 1550±10nm</p> <p>RF frequency range: 47~1000MHz</p> <p>RF output impedance: 75Ω</p> <p>RF output level: ≥ 70dBuV(0~-15dBm)</p> <p>AGC range: 0~-15dBm</p> <p>MER: ≥32dB(-14dBm optical input)</p> <p>FVPN-G100C V3:</p> <ul style="list-style-type: none"> •RF Optical power : 0~-3dBm •Optical receiving wavelength: 1550±10nm •RF frequency range: 47~1000MHz •RF output impedance: 75Ω •RF output level: ≥ 60dBuV (0~-3dBm) •AGC range: not support •MER: ≥32dB(0~-3dBm optical input)
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Chipset	ZTE
Uplink Mode	<p>Bridging and Routing Mode</p> <p>Well connect with OLTs of mainstream</p>
CATV	Support CATV Rmote management
Standard	<p>Support CTC OAM 2.1 and 3.0</p> <p>Support ITUT984.x OMCI</p>

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 FULLVISION OLT
PON mode	XPON Dual Mode

Hardware

Net weight	140g
Operating condition	Operating temp: 0 ~ +50°C Operating humidity: 10 ~ 90% (non-condensing)
Storing condition	Storing temp: -30 ~ +70°C Storing humidity: 10 ~ 90% (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
Dimension	100mm×92mm×30mm (L×W×H)