

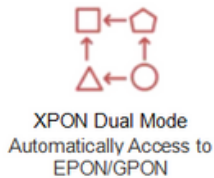
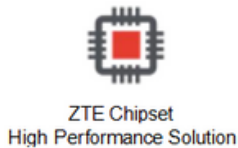
## ONT: 1 GE + CATV

MODELO G21T



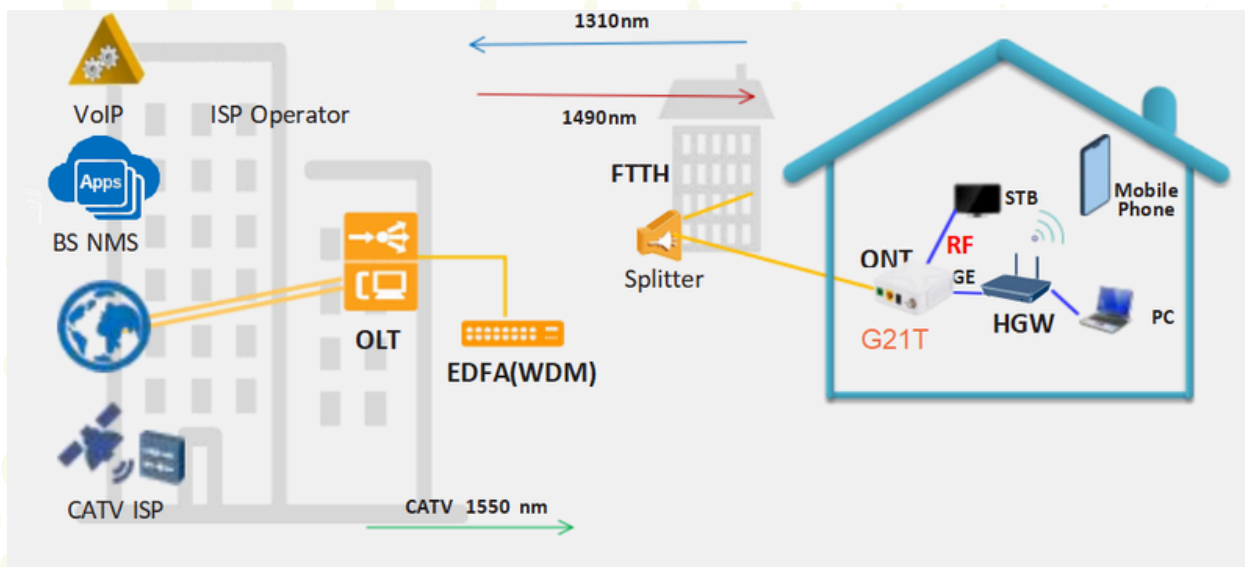
**G21T**  
XPON+1GE+CATV ONT

### Key Features:



### Introduction:

G21T (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.



## ○ Hardware Parameter

Dimension	100mm×92mm×30mm (L×W×H)	PON mode	XPON Dual Mode
Net weight	140g	Uplink Mode	Bridging and Routing Mode Well connect with OLTs of mainstream
Operating condition	<ul style="list-style-type: none"> <li>Operating temp: -10 ~ +50. C</li> <li>Operating humidity: 5 ~ 95% (non-c)</li> </ul>	CATV	Support CATV Rremote management
Storing condition	<ul style="list-style-type: none"> <li>Storing temp: -40 ~ +70. C</li> <li>Storing humidity: 5 ~ 95% (non-con)</li> </ul>	Standard	<ul style="list-style-type: none"> <li>Support CTC OAM 2.1 and 3.0</li> <li>Support ITUT984.x OMCI</li> </ul>
Power adapter	DC 12V/0.5A, external AC-DC power	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>
Power supply	≤4.2W	Layer3	<ul style="list-style-type: none"> <li>IPv4</li> <li>DHCP Client/Server</li> <li>PPPoE, NAT, DMZ, DDNS</li> </ul>
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 GPC</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(EPO 8dBm(GPON)</li> <li>Transmission distance: 20KM</li> <li>Wavelength: TX 1310nm, RX1490nm, CATV 1550nm</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 our OLT
LAN interface	1*GE Auto-negotiation RJ45 ports		
CATV interface	<p>G21T:</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>		

Product Name	Product Description	Accessories
G21T	1GE+CATV(AGC)	AC-DC power adaptor: DC12V/0.5A