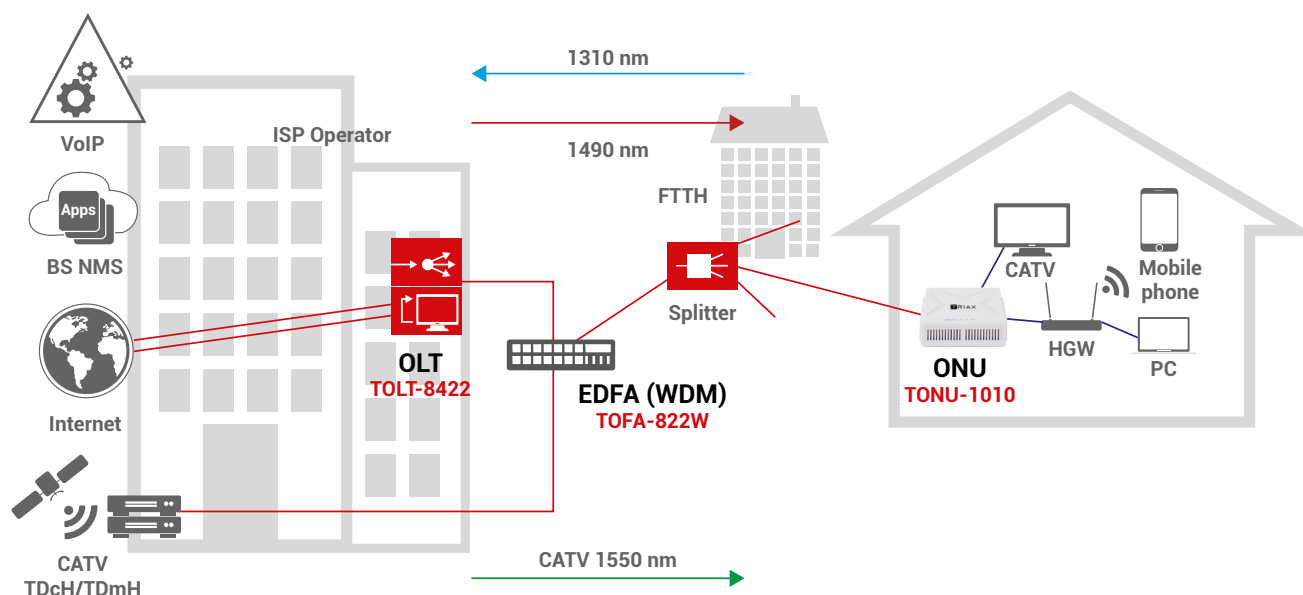# TONU-1010 GE ONU + CATV

With the added feature of a CTAV Output the TONU-1010 (XPON 1GE ONU) is specially designed to meet the needs of telecom operators for FTTO (office), FTTD (desktop), FTTH (home), SOHO broadband access, video surveillance, etc. The ONU is based on high-performance chip technology solutions and supports Layer 2/Layer 3 functions, providing data services for carrier-grade FTTH applications.

The ONU has high reliability and can be applied to a wide temperature environment and has a powerful firewall function, which is easy to manage and maintain. It can provide QoS guarantee for different services. The ONU complies with international technical standards such as IEEE802.3ah and ITU-T G.984.

Application example

FEATURES

- XPON Dual Mode, can automatically access EPON/GPON

- Routing & Bridging Mode

- High Performance Solution

- Remote Control CATV (with AGC) on/off

TONU-1010		
ART. Number	308701	
	Product Description	Accessories
	1*GE + CATV (AGC)	AC-DC power adapter, DC12V/0.5A
Interface		
PON	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: -3dBm (EPON) or - 8dBm (GPON) Transmission distance: 20KM, Wavelength: TX 1310nm, RX1490nm, CATV 1550nm	
LAN	1*GE, Auto-negotiation, RJ45 connector	
CATV	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	
	Will connect with most mainstream OLTs	
CATV	Supports CATV Remote management	
Standard	Supports CTC OAM 2.1 and 3.0 Supports ITUT984.x OMCI	
Layer 2	802.1D&802.1ad bridging 802.1p CoS 802.1Q VLAN	
Layer 3	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	Supports EMS\WEB\Telnet\CLI and unified network management of TRIAX OLT	
Electrical		
Power adapter	DC 12V, 0.5A, external AC-DC power adaptor, ≤4W	
Indicators	SYS, LINK/ACT, REG	
Interfaces	1GE + CATV	
Operating condition	Operating temperature: -10 ~ +55°C Operating humidity: 5 ~ 95% (non-condensing)	
Storage condition	Storage temperature: -40 ~ +70°C Storage humidity: 5~ 95% (non-condensing)	
Packaging size (L x W x H) / Net weight	100 x 92 x 30mm / 0.140Kg	