

1GE HGU XPON ONU BNT-2100



1. Overview

BNT-2100 is 1GE port XPON(GPON and EPON dual mode) HGU ONU. It is designed for meeting the multi-services needs of fixed network operators or cable operators, and widely used in FTTO (office), FTTD (desk), FTTH (home) broadband access, video surveillance and other requirements. It is based on mature GPON and Gigabit EPON technology, and has high ratio of performance to price, stable, cost-effective, high reliability, easy management, configuration flexibility and good quality of service (QoS) guarantees. It is fully compliant with GPON and EPON technical regulations such as ITU-T G.984.x, IEEE802.3ah and technical requirement of GPON/EPON Equipment from China Telecom. Small size dual mode ONU can automatically detect OLT and switch PON mode, it can be used as GPON or EPON. It can also be applied to a wide temperature environment, and also has a powerful firewall function.

2. Features

- HGU ONU with ZTE chip
- Compatible with popular GPON & EPON OLT
- Bridging and routing modes can be set
- Support loop detection, IGMP snooping
- 802.1Q VLAN, QoS for priority of service
- Support port speed, storm suppression
- Support Telnet, CLI, OMCI/OAM and Web management
- Support NAT, Firewall
- Support remote software upgrading

3. Technical parameters

Items	Unit	Specifications
PONstandard.		EPON IEEE802.3ah, GPON ITU-T G.984.x
Optical interface		SC/PC connector,1 GPON/EPON interface(EPON PX20+ and GPON Class B+)□Receiving sensitivity: $\leq -28\text{dBm}$ □Transmitting optical power: $0 \sim +4\text{dBm}$ □Transmission distance: 20KM
Speed	Gbps	GPON: uplink 1.25Gbps, downlink 2.5Gbps; EPON: symmetric 1.25Gbps
Wavelength	nm	Tx1310, Rx 1490
Interface	data	1*10/100/1000Mbps Auto adaptive Ethernet interfaces, Full/Half Duplex, RJ45 connectors
Indicator	LED	Sys、 REG、 LINK/ACT
Operating condition	°C	Operating temp: $-5 \sim +55$

Storing condition	°C	Storing temp: -30 ~ +60
Humidity	%	10~90(non-condensing)
Power supply	V	DC 12V,0.5A adapter
Power consumption	W	≤4
Dimension	mm	86mm×85mm×25mm(L×W×H),
Net weight	Kg	0.1

4. Shipping packaging

Description	Quantity	Weight	Carton Size
Shipping packaging	1pcs/ctn	0.18kg/ctn	110*106*58mm
	100pcs/ctn	19kg/ctn	565*540*245mm