

# BT-511XZ

## 1GE XPON ONU Product Specification

BT-511XZ model ONU is a user terminal device independently developed by BTPT in line with such industrial background. The device has built-in two-layer switching function. It is compact and compact, and is an FTTH optical network unit with high performance and low power consumption. BT-511XZ ONU can automatically switch EPON/GPON working mode and can be used in EPON/GPON network, which is very suitable for the application requirements of various data services in FTTH networking scenarios of various operators.



### Features:

- GPON working mode Compliance with IEEE 802.3ah & itu-t g.984.x standard
- GPON:8 T-CONTs,32 GEM Ports
- EPON working mode compliant with IEEE 802.3ah specification and OAM protocol
- Supports the WEB configuration function
- Layer 2 Switching, support 802.1Q VLAN, 802.1P QoS, Bandwidth Control, Spanning Tree, etc
- Layer 3 Home Gateway/CPE features with Hardware NAT, supports Route mode, etc
- Supports the configuration of Ethernet interface rates, working modes,MDI/ MDIX auto-negotiation mode, and Pause flow control
- Provides performance statistics on all Ethernet lines
- Support multicast IGMP snooping
- Supports the L2 wire speed forwarding
- Supports the AES-128 algorithm for data encryption of downlink data

### Highlights:

- Compatible with 95% Third-party OLTs (Including Huawei/ZTE/Fiberhome/BT-PON and so on)**
- Support EPON/GPON mode and switch mode automatically
- Support Route PPPoE/DHCP/Static IP and Bridge mode**
- Support ONU auto-discovery/Link detection/remote upgrade of software
- Support IPv4/IPv6 dual mode
- Support Firewall function and IGMP multicast feature
- Support LAN IP and DHCP Server configuration
- Support Port Forwarding and Loop-Detect