



## GE-PON-ONT

ST-3607-FX

### Overview

The 3607-FX is an EPON Optical Network Terminal designed for SFU (Single Family Unit) used in home and small office environment. It provides subscriber with rich, individualized, and comfortable triple-play services including video (IPTV), voice and high speed internet access. It has a small form factor and green, energy-saving advantage.

It supports 4 Gigabit Ethernet (UTP, RJ45) ports to subscriber. It is connected to GEAPON OLT and RN (Remote Node) via a fiber optic cable to provide TPS (Triple Play Service).

By adopting the state-of-the-art GE-PON technology, C504LL supports various features including Quality of Service (QoS) function, management function enabling prompt reactions against the problems in the system or a subscriber line, security function protecting subscriber information safe, and subscriber management function sheltering user information from illegal users.

### Features

- \* One port Gigabit Ethernet for downstream
- \* Bridge mode operation
- \* Multicast Support for IPTV Service
- \* LD Shutdown Function when ONT occurs the fault. (Automatic Shutdown Function)
- \* QoS Features
- \* IPv4/IPv6 Compatibility
- \* Compliant with 1000BASE-PX10 according to YD/T 1475-2006-EPON.
- \* ONU queue priority: no less than 4.
- \* Low Power consumption: less than 5W

### Features

#### Hardware

| Item            | Description |   |
|-----------------|-------------|---|
| Type            | DesktopType |   |
| Interface       | Line        | 1000Base-PX10 (SC/APC), need to be kept clean         |
|                 | LAN         | One 10/100/1000BaseTx port, MDI/MDIX Auto-Negotiation |
|                 | Input Power | Input Power, DC 5V 2A                                 |
|                 | PWR         | Power Switch, On/Off                                  |
| Front Panel LED | Line        | Logical Link status of PON, Loss of Optical Signal    |
|                 | PWR         | Power On/Off status                                   |
|                 | Data        | PON Link and Data Transmission status                 |
|                 | LAN         | LAN Link and Data Transmission status                 |

# GE-PON SOLUTION



|                    |  |
|--------------------|--|
| <b>Accessories</b> | UTP Cat.5 Ethernet Cable(RJ-45, Straight)<br>Power Adaptor (Input - AC: 100 ~ 220V (± 20%))<br>User Manual |
|--------------------|--|

## Software

| Item                                   | Description   |  |
|--|---|--|
| <b>Standard</b>                        | <b>IEEE 802.3ah</b>   |  |
| <b>Function and Performance</b>        | <b>EPON</b>   | IEEE802.3ah MPCP, OAM compliant<br>802.1Q VLAN<br>Per LLID Filtering/Classification<br>Supports up to four Logical Link IDs (LLID)<br>AES-128 Downstream decryption<br>Dying Gasp<br>Automatic Plug and Play function for WAN PON Port (Discovery and Authorization) |
|  | <b>L2 Features</b>  | IEEE802.1Q VLAN<br>IEEE802.1D Spanning Tree Protocol<br>Support up to 256 MAC Address  |
|  | <b>Multicasting</b>   | IGMP v1/v2, IGMP proxy/snooping for IPTV service   |
|  | <b>QoS</b>  | IEEE802.1P<br>Packet classification and marking (802.1P)<br>Rate limiting  |
|  | <b>Security &amp; filtering</b>   | MAC address limiting   |
| <b>Technical Standard and Protocol</b> | IEEE Std 802.3™-2002 Carrier sense multiple access with collision detection (CSMA/CD) access method and physical layer specifications<br>IEEE Std 802.1D, 1998 Edition Media Access Control (MAC) Bridges<br>IEEE Std 802.1Q, 2003Edition Virtual Bridged Local Area Networks<br>IEEE Std 802.1w-2001 Media Access Control (MAC) Bridges — Amendment 2: Rapid Reconfiguration<br>IEEE Std 802.1s™-2002 Virtual Bridged Local Area Networks— Amendment 3: Multiple Spanning Trees<br>IEEE Std 802.1X-2001 Port-Based Network Access Control<br>IEEE Std 802.3ah.-2004 Carrier Sense Multiple Access with Collision Detection (CSMA/CD) Access Method and Physical Layer Specifications Amendment: Media Access Control Parameters, Physical Layers, and Management Parameters for Subscriber Access Networks<br>IEEE P802.1ad/D6.0 Draft Standard for Local and Metropolitan Area Networks—Virtual Bridged Local Area Networks — Amendment 4: Provider Bridges |  |



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