



# OLT-E202

## **OLT-E202:** 2-Port EPON OLT to 2-Port GbE Converter

### Key Features

#### HW Features

- Supports standard 9" 1U high rack-mount and wall-mount with 2-Port EPON OLT converter
- Operating temp range: 0 ~ 50°C
- Supports 2-Port GE PON OLT (Down stream: 2.5Gbps, Upstream: 1.25Gbps)
- Supports 2-Port GbE TP/SFP Combo (for uplink)
- Built-in management CPU:
  - Supports RJ-45 RS232 interface for console
  - Supports one Out-of-Band (OOB) GbE RJ-45 port for management network
  - Support In-Band management from uplink interface
- Supports DC-12V or AC 100~240V power input
- Supports CO/CPE site local OLT and remote ONU configuration
- Comply with RoHS Requirement
- Provides 2-Port Gigabit Ethernet PON (Passive Optical Network), converting 10/100/1000 Mbps Ethernet into optical signals with an optical coupler for point-to-multipoint networks. The EPON OLT converter for the center unit can be selected to provide datacom service for distances of up to 20 km. The same subscriber unit EPON ONU converter is used for remote CPE site, whether 20 km type.
- One OLT handles up to 32 subscribers per fiber
- Implements full duplex with single SM fiber links, along with an optical coupler for 32 branches, making it possible to handle up to 32 subscribers per single optical fiber.
- This OLT converter supports up to 64 subscribers

### Technical Specifications

- **Capacity:** 2-Port EPON OLT Media converter
- **Management:** SNMP and web-base via in-band LAN port or local serial CLI
- **Power Input:**
  - AC: 100-240VAC, 50-60Hz
  - DC: 12V
- **Ambient Temperature:** 0 to 50°C
- **Humidity:** 5% to 90%
- **Dimensions:** 44(H) x 220(W) x 130.5(D) mm
- **Complies with FCC Part 15 Class A & CE Mark Approval**

### Ordering Information

Model	Description
OLT-E202	2-Port EPON OLT to 2-Port GbE Converter

### Management Features

- The converter has its own IP address, user name and password. In case of loss of username/password, a backdoor access will be available. It supports a forgetting username and password mechanism to login administrator right then reset the username and password.
- Supports IEEE 802.3ah OAM function for CO and CPE site "Remote Failure Indication", "Remote Loopback" and "Link Monitoring"
- Supports "Port Configuration" and "Bandwidth Configuration"
- Remote monitoring and control functions
  - Remote control and monitoring via the SNMP protocol or a web browser, CLI control via TELNET is also supported.
- Supports CO site media converter ingress/egress bandwidth rating management
- Supports text-based text user interface with CLI via Telnet or RS-232 console serial interface
- Supports CLI for multi-port CPE devices for port configuration, port counter, CO/CPE fiber link loop back test and link failure trap event log.
- Supports Web UI for multi-port CPE devices for port configuration, port counter, CO/CPE fiber link loop back test and link failure trap event log.
- Supports Neutral web-based graphic user interface
- Supports MIB II, Enterprise MIB and SNMP Traps with SNMPv1, v2c and v3
- Supports SNMP MIB OID for multi-port CPE devices for port configuration, port counter, CO/CPE fiber link loop back test and link failure trap event.
- Supports RMON 1,2,3,9 groups (for CO site module's port)
- Supports Management Security Configuration. It can filter connections by IP range, connection type - http, telnet and SNMP and filter action - accept or deny.
- Supports network time sync function with NTP and daylight savings
- Supports domain name address instead of IP address for NTP server and E-mail server setting
- Supports device name and location configurable function
- Supports SNMP access filtering for security, the SNMP set function could be disabled to limit the configurations be changed via SNMP set function
- Supports up to 6 trap / alarm hosts to receive the trap host and alarm message via mail and short message receiver
- Support IPv4 and IPv6 dual stack for management
- Supports DHCP client for dynamic IP assignment
- Supports user account management, there are two level user authority
  - Administrator User: Only one user is administrator authority in the chassis. The user could modify and look all configurations
  - Guest User: The chassis could be set up to four guest authority users, the users could look configuration only, could not change configurations.
- Supports Syslog to backup the trap log data.
- Supports firmware upgrade, configuration data import/export and log data export via TFTP
- Supports diagnostic ping for the chassis to test an alive network device IP, the testing result included response time, nr. of packets and ping success rate.
- Supports auto logout, user can adjust the Auto-Logout time in minutes.
- Supports import / export configuration file in Web UI, CLI and SNMP function via TFTP protocol to backup and restore configuration
- Simpler system configuration at installation
- The center unit automatically scans and records ID information from subscriber systems.
- Assurance of security for subscribers
  - Encryption in the PON layer assures security between subscribers.

### Overview

The manageable box is a 9-inch Media Converter with cabinet height 1U. It is designed to accommodate 2-Port of various type of fiber media converter module at a central location for multiple segments cross connection and network management. Any combination of EPON Fiber conversion solutions can be installed in a wiring closet for cable connection. The network management supports Web UI via browser, CLI via local console, Telnet interface and SNMP v1/v2c/v3. Supports IEEE 802.3ah OAM function for CO and CPE site "Remote Failure Indication", "Remote Loopback" and "Link Monitoring". Supports "Port Configuration" and "Bandwidth Configuration".

### Ruby Tech Corp.

3F, No.1, Lane 50, Nan Kang Road, Sec.3, Taipei, Taiwan  
TEL:886-2-2785-3961 FAX:886-2-2786-3012

<http://www.rubyttech.com.tw>  
E-mail : [rubyttech@mail.rubyttech.com.tw](mailto:rubyttech@mail.rubyttech.com.tw)