

16-Slot Chassis for Modular EPON Media Converters

The manageable box is a 19" Media Converter Chassis with cabinet height 3U. It is designed to accommodate 16 slots of various type of fiber media converter module at a central location for multiple segments cross connection and network management. Any combination of GEAPON 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 SNMPv2c.

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". Models equipped with DC 48V power unit are also available for Telecom applications.

16-Slot Chassis for Modular EPON Media Converters

PART NO.	DESCRIPTION
098-1580	16-Slot EPON Converter Chassis with Dual AC Input Redundant Power Supply
098-1580RDC	16-Slot EPON Converter Chassis with Dual DC Input Redundant Power Supply
098-1580RADC	16-Slot EPON Converter Chassis with AC+DC Input Redundant Power Supply
098-1580AC	16-Slot EPON Converter Chassis with Single AC Input Redundant Power Supply
098-1580DC	16-Slot EPON Converter Chassis with Single DC Input Redundant Power Supply
ONU-1510	10/100/1000Base-T to EPON ONU Managed Converter
OLT-1515	10/100/1000Base-T to EPON OLT Managed Converter Module

SPECIFICATIONS

PARAMETER

Capacity: 16 Slots for modular Media converter
 Management: SNMP and web-base via in-band LAN port or local serial CLI
 Power supply: Hot-swap redundant, high reliability/safety
 Redundant Power Requirement:
 AC Power Input:
 Voltage: 100/240V AC
 Frequency: 50-60Hz
 Dissipation: 200W maximum
 Telecom DC Input:
 Voltage: 48V DC
 Dissipation: 200W maximum

SAFETY

Complies with FCC Part 15 Class A & CE Mark Approval

PHYSICAL CHARACTERISTICS

Ambient Temperature: 0 to 70°C
Humidity: -40° to 85°C
Dimensions: 125 x 90 x 8 mm
Weight: 8.52 kg (without power)
 9.54 kg (includes 1 x AC power)
 10.56 kg (includes 2 x AC power)
 9.57 kg (includes 1 x DC power)
 10.62 kg (includes 2 x DC power)
 10.59 kg (includes 1 x AC power + 1 DC power)

KEY FEATURES

- Supports standard 19" 3U high rack-mount chassis with 16 slots for converter modules
- 19-inch rack mount
 - The concentrator unit will fit in both Electronic Industries Association (EIA) standard compliant racks.
- Supports 3 fans for chassis heat radiating
- Operating temp range 0° – 50°C
- Supports chassis temperature detection with F/C both degree
- Supports FAN rotation rate (RPM) detection
- Supports chassis ID (CID) for chassis location indication
- Built-in management CPU module:
 - Supports DB-9 RS232 interface for console
 - Supports two Ethernet ports in management network
- Management Board LED display: PowerA/B, UTP port: Act/Link, CPU Run
- Supports hot-swappable and upgradeable management CPU module
- Supports hot-swappable converter modules
- Supports hot-swappable and loading-shared redundant power units, each can be DC or AC. Independent power input for each power modules
- Supports Real-Time Clock (RTC)
- Power monitor (absent/present, ON/OFF, DC/AC), fans monitor and temperature monitor
- Power supply: Hot-swap redundant, high reliability/safety
- Supports CO/CPE conversion port configuration for port state, Speed/Duplex, Flow Control and Bandwidth setting
- Comply with RoHS Requirement
- Provides a 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 module 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
- One chassis supports up to 512 subscribers
 - The center unit (rear access type) uses high-density packing to fit up to 512 subscribers into a 3U case height (132 mm), saving your valuable rack space
- Independent channel configuration
 - Additional EPON converter module can be added as needed to economically handle subscriber growth. In addition, maintenance is possible in channel units, making it possible to respond to a fault on one channel without affecting the others.