FIBER OPTIC PRODUCT
ONUS
ONUS PLUS INTERTRADE CO., LTD.

บริษัท โอนัส พลัซ อินเตอร์เทรด จำกัด
ONUS PLUS INTERTRADE CO., LTD.
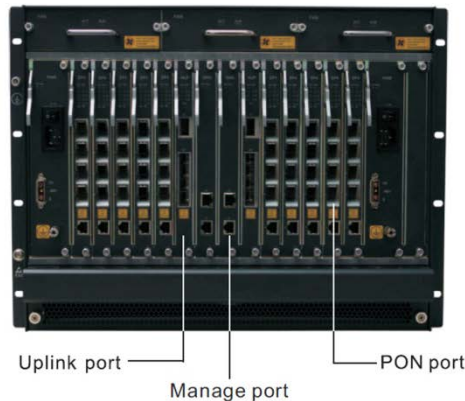
## EPON OLT : GE-040E



Uplink port ——— ——— PON port

Manage port

GE-016  is a miniaturization and modularization GEPON OLT, broadband fiber access system platform, developed. It is fully compliant to IEEE802.3-2005 and Chinese technical requirements of Ethernet Passive Optical Network (EPON). This product supports integrated access service, such as broadband surf-netting, IP voice, IPTV, CATV and etc.

## Features :

- With Twin-star bus 10Gigabit core switch backplane, support non-blocking wire-speed switch, support 1.25G EPON optical fiber access.
- 8U height, adopt full front-wiring, high capacity, maximum EPON optical fiber interfaces reach up to 40.
- Full-load provide double main control modules, double uplink modules, double power supply modules and 10 service interface modules.
- High reliability, support AC and DC dual power supply, with active/standby switch protection function of power supply module, core switch module and uplink interface module.
- Support flexible controllable multi-cast, IGMP Proxy/Snooping and etc. Support strong VLAN extension functions, including VLAN Stacking/Trunk/Translation, etc.
- Support ONU auto-recognizing, auto-detecting, pre-configuration management, support hybrid MAC and SN authenticate approval function.
- Support flexible DBA, uplink/downlink service rate-limited, precision up to 0.2% (Standard requirement<5%) Adopt multi LLID and IEEE802.1p technologies, provide multi protection QoS service.

## Equipment Components

| No | Item | Full load Qty | Description |
|---|---|---|---|
| 1 | Equipment frame | 1 | OLT equipment frame, including 10Gigabit core switch backplane |
| 2 | Main control module (SWA) | 2 | Hot-swappable module, integrate 1 FE out of band management port, 1 debugging serial port, 10Gigabit class non-blocking switch) |
| 3 | EPON interface module (EP4) | 10 | Hot-swappable 4 EPON interfaces modules, compliant with IEEE802.3-2005 EPON technical standard, support 20km transmission distance (Standard configuration without optical module) |
| 4 | Uplink interface module(HUP) | 2 | Hot-swappable 4 GE interfaces module, SFP slot, support 4GE+10GE XFP(Standard configuration without optical module) |
| 5 | Fans module(FAN16) | 3 | Hot-swappable fans module |
| 6 | Power module(PWR) | 2 | Hot-swappable power supply module supports 220VAC/48VDC (With UPS charger). Builds dual power redundant hot backup with dual power supply |

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## Hardware Features

| | | |
|---|---|---|
| Equipment parameters | Dimension | 486mm (W) × 103mm (H) × 384mm (D) |
| | Net weight | 15Kg |
| | Power consumption | ≤400W |
| | Operating condition | Temperature : 0~+55℃, humidity : 10~90%(non-condensed) |
| | Storing condition | Temperature : −25~+70℃, humidity : 10~90%(non-condensed) |
| Power supply | DC | 36 ~ 75 VDC |
| | AC | 176 ~ 264 VAC |
| Equipment interface | Uplink Ethernet interface | 1*10GE(XFP connector), 4*GE interfaces(GE or SFP connectors) |
| | EPON interface | 40*EPON SFP interfaces |
| | Console debugging interface | 1 interface, compliant with RS232 technical standard |
| | Out-of-band management interface | 1 interface, compliant with 100Base-TX technical standard |
| | Monitor and alarm interface | 1 interface, compliant with RS485 technical standard (Support sub-node monitor ) |