

Mini OLT

Variants

GPON 1 port OLT

Details

Mini GPON OLT – 1 Port at the Lowest Price in Nepal

Model C01 | Compact and cost-effective GPON networking solution for hotels, apartments, offices, FTTR and small fiber-optic networks.

- 1 GPON Port
- 128 Maximum ONUs
- 10G SFP+ Uplink
- 10W Power Consumption

Key Features

- Flexible DBA and upstream/downstream speed control
- Port aggregation support
- Port-based traffic control and traffic shaping
- Automatic ONU identification, discovery and registration
- VLAN support
- Multicast management and IGMP snooping
- Cloud management support

Product Advantages

- Flexible uplink configuration using electrical and optical modules
- Optical link diagnostics with warning mechanisms
- High reliability with dual power supply support
- Compact design and low power consumption
- Supports up to 128 ONUs through a single GPON port

Hardware Specifications

Specification	Details
Model	C01
GPON Interface	1 × GPON

Ethernet Ports	4 × GE RJ45
Uplink	1 × 10G SFP+
USB	1 × USB
Console	1 × Type-C Console
Flash Memory	128 MB
DDR Memory	512 MB
Dimensions	194 × 158.5 × 39 mm
Weight	5 kg
Power Supply	DC 12V
Power Consumption	10W

GPON / PON Specifications

Function	Specification
GPON Standards	ITU-T G.984.x / G.988
Split Ratio	1:128 on a single PON port
Maximum ONU Capacity	128 ONUs
Maximum Reach	Up to 60 km on a single fiber*
Authentication	Password authentication modes
Bandwidth Management	DBA algorithm, 64 Kbit/s granularity
ONU Management	Standard OMCI management
ONU Software	Batch software upgrade
Optical Monitoring	PON optical parameter detection
Auto Registration	ONU registration with default profile binding

*Actual transmission distance and ONU capacity depend on optical modules, splitter loss, fiber attenuation and the available optical power budget.

Cloud & Network Management

Platform Management

Device list
Project management
Version release management
License management
Permission management
User management

Configuration & Management

CLI, WEB, SNMP, NMS and Cloud
Software and BootROM upgrades via TFTP/FTP
Chinese and English command prompts
Ping and debugging diagnostics
User, log and alarm management

Status Monitoring

PON status
Uplink status
Performance monitoring
System monitoring

Layer 2 Networking Functions

VLAN
Port mirroring
Storm control
IGMP Snooping / Proxy
MAC Black Hole
Port isolation
PON port data encryption

Environmental Specifications

Operating Temperature	-10°C to +55°C
Storage Temperature	-40°C to +70°C
Storage Humidity	5%–95% (non-condensing)

Package Contents

Item	Quantity
Mini GPON OLT	1 pc
Serial Cable	1 pc
Power Cable	1 pc

Installation Accessories	1 set
Warranty Card	1 pc

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