Mini OLT

Variants

GPON 1 port OLT

Details

COMPACT GPON NETWORK SOLUTION

Compact and cost-effective GPON Optical Line Terminal with , and support for up to . Ideal for hotels, apartments, offices, FTTR and small fiber-optic networks.

Product Overview

The **C01 Mini GPON OLT** is a compact and affordable Optical Line Terminal designed for small and medium-sized GPON fiber networks.

It features **4 Gigabit RJ45 ports**, **1 × 10G SFP+ uplink**, cloud management and automatic ONU discovery. With less than 10W power consumption, it provides an efficient solution for GPON access network deployment.

Quick Specifications

GPON PORT

1 Port

MAXIMUM ONU

128 ONUs

UPLINK

10G SFP+

ETHERNET PORTS

4 × GE

POWER

<10W

MANAGEMENT

Cloud

Key Features

? Supports up to 128 ONUs on one GPON port

? 1 × 10G SFP+ optical uplink

? 4 × Gigabit Ethernet RJ45 ports

? Automatic ONU discovery and registration

? Flexible DBA and bandwidth management

? VLAN and port aggregation support

? Traffic control and traffic shaping

? IGMP snooping and multicast management

? Cloud and remote network management

? Compact design with low power consumption

1. Hardware Specifications

Parameter	Specification
Model	C01
GPON Interface	1 × GPON Port
Ethernet Ports	4 × GE RJ45
Optical Uplink	1 × 10G SFP+
USB	1 × USB
Console	1 × Type-C Console
Flash Memory	128 MB
DDR Memory	512 MB

Parameter	Specification
Dimensions	194 × 158.5 × 39 mm
Weight	Less than 5 kg
Power Supply	DC 12V
Power Consumption	Less than 10W

2. GPON / PON Specifications

Parameter	Specification
GPON Standards	ITU-T G.984.x / G.988
Split Ratio	1:128
Maximum ONUs	128 ONUs
Maximum Reach	Up to 60 km*
Authentication	Password Authentication
Bandwidth Management	DBA, 64 Kbit/s Granularity
ONU Management	Standard OMCI
ONU Software	Batch Software Upgrade
Optical Monitoring	P

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