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OAN-102

GPON ONT



The GPON Optical Network Terminal for Mission-critical Service Providers

Description

The OAN-102 aggregates traffic from 2x100/1000Mbps Ethernet interfaces into a gigabit PON interface that connects to the OLT. It is an in-premises gateway device that provides high performance access services delivered over a PON link connected to the OLT which plays a role of the GPON concentrator.

The OAN-102 can be used to deliver QoS-guaranteed services to FTTH subscribers over single fiber core, resulting in reducing capital expenditure and operating expenditure. With the OAN-102, service providers set service level agreement options securing precise QoS performance parameters.

The OAN-102 is an intelligent demarcation device that delivers always on, high-speed internet data and video services to subscribers through a compact box that simplifies and reduces the cost of major access applications.

The OAN-102 secures a migration path to broadband convergence network terminal for end-to-end Ethernet access. Robust and open web-based management system provides easily the capabilities necessary for operation, administration, maintenance and provisioning.

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Features

- FTTH gateway for single home and MTU/MDU users
- Value-added service provisioning options
- User-friendly management interface
- 2 LAN ports enabling to secure quality of services for various applications like IPTV, VoIP, etc.
- Robust performance as utilizing Ethernet OAM for link monitoring, loopback and fault indication with SNMP.
- Secure network capabilities for protect various attacks through networks.

Specifications

Mechanical Structure and Dimension

- Desk-Top Box : 135mm(W) x 135(D)mm x 25mm(H)

Interface

- WAN(GPON) Port : ITU-T G.984
 - Wavelength Plan : Up/Down: 1310nm/1490nm
- LAN Port : 2 x RJ45(100/1000Base-Tx)

GPON ONT Functions

- ITU-T G.984 compliant
- Wavelength : Up(1310nm)/Down(1490nm)
- Splitting Ratio : Max 1:64
- System Range : Max 20Km
- Security, Encryption
- Ranging, Flexible DBA
- Reach up to 20Km
- L2 Based QoS processor Embedded
- Dying Gasp H/W Support
- IEEE802.3ah MPCP
- IEEE 802.3x Flow control
- IEEE 802.3p(128KB Queuing with 8 classes)
- IEEE 802.3q(VLAN)

Power Consumption

- 100~240VAC, 50~60Hz, DC 12V/2A

Environmental Conditions

- Temperature : 0°C ~ +50°C, Max. 10~80% Humidity



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