

OP-GPON OLT 9016A

GPON DATA OLT WITH 16 PON PORTS



Product Overview:

OPTILINK OP-GPON OLT 9016A complies with ITU-T G.984/G.988 and meets requirements about GPON OLT in Network Access Technical Requirements. It supports the Asymmetric uplink 1.25Gbps /downlink 2.5Gbps PON transmission rate, efficient bandwidth usage and Ethernet services, helping carriers to provide reliable services to their users. Its coupling ratio ups to 1:128, and its support of different hybrid ONU networks minimize the carrier's investment. It is based on the edge-cutting technologies, is strong in functions. A few of its functions such as QoS guarantee, SLA and DBA can be easily listed out.

Product Characteristics:

- **System Capacity:** OP-GPON OLT 9016A supports maximum 16 GPON ports.
- **Uplink Interface:** OP-GPON OLT 9016A with 4 gigabit SFP ports, 4 gigabit combo ports, and 4 10G SFP+ ports.
- **Dimensions:** 1U, occupies a small space.
- **Environmental Protection:** Low power consumption and low operating cost.
- **Bus Optical Fiber Protection:** The link can be automatically switched when trouble occurs in the optical fiber.
- **Power Characteristics:** supports dual-AC, dual-DC and AC/DC power supply. The power supply supports modularized design, hot-swap and EMC-3 standard. It well adapts to the environment.

Specification:

Attributes		OP-GPON OLT 9016A
System Capacity		Maximum coupling ratio:1:128 Backplane bandwidth:205G MAC table capacity: 64K
Interface	PON	16
	Uplink interface	4 gigabit SFP slots, 4 gigabit TX/SFP combo ports
		4 10G SFP+ slots
Attributes of the PON Interface		The transmission rate with downlink 2.5Gbps/uplink 1.25Gbps Class B ⁺ and Class C ⁺ GPON module Security: ONU authentication mechanism
Standards		ITU-T G.984/G.988 IEEE 802.1D, Spanning Tree IEEE 802.1Q, VLAN IEEE 802.1w, RSTP IEEE 802.3ad physical link static/dynamic aggregation (LACP) Ethernet – II
QoS		Backpressure flow control (half duplex) IEEE 802.3x flow control (full duplex) IEEE 802.1p, CoS WRR, SP and FIFO queue schedule Limiting the uplink/downlink rate based on each ONU DBA and SLA
VLAN		Port-based VLAN QinQ and flexible QinQ
Multicast		L2 multicast IGMP Snooping MLD Snooping
Reliability		Unidirectional Link Detection (UDLD) Hot swap of the GPON optical module Optical path protection of GPON (type B/C, hand-in-hand) Abnormal luminescence ONU detection such as long luminescence
Network Security		Limiting the maximum number of users on each port Port isolation

	Packet storm control Flow-based ACL access control function Transmission data encryption on the PON interface
Configuration Management	Various management modes such as CLI, SNMP and telnet Conducting software upgrade through TFTP/FTP Debug output
Physical Characteristics	Dimensions mm (W×D×H): 442.5x304x 44
	Installation: standard 19-inch rack-mount
	Weight: 5.25Kg
Environment	Operating environment: 0°C to 45°C; 10% to 85% non-condensation
	Storage environment: -40°C to 80°C; 5% to 95% non-condensation
Power supply	Input voltage: AC90~240V, DC 36 ~ 72V dual-power input, DC/AC power supply and hot-swap