



EPON

4 Port Layer 3 OLT

WITH 4x 10G UPLINK

New Improved Hardware & Software



MODEL: SOL1004-DP

Features:

- STP/RSTP/MSTP
- IGMP Snooping
- VLAN Translation/Q-in-Q
- Port Aggregation
- Dynamic Bandwidth Allocation
- DHCP Snooping
- ACL
- Port Mirroring
- SNMP/Telnet/-



Solitine SOL1004-DP EPON OLT product 1U height 19 inch rack mount. The features of the OLT are small, convenient, flexible, easy to deploy and high performance. It is appropriate to be deployed in compact room environment. The OLT's can be used for "Triple-Play", VPN, IP Camera, Enterprise LAN and Internet service provider applications.

SOL1004-DP provides 4GE (Copper) RJ45 and 4x 1GE/ 10GE SFP slots independent interface for uplink, and 4xEPON OLT ports for downlink. It can support overall 256 ONU's with 64 ONU's per PON port

Technical Specifications:

Management Ports

- 1*10/100BASE-T out-band AUX port,
- 1*CONSOLE port

PON Port Specification

- Transmission Distance: 20KM
- EPON Port Speed Symmetrical 1.25Gbps
- Wavelength: TX 1490nm, RX 1310nm
- Connector: SC/UPC
- Fiber Type: 9/125μm SMF
- TX Power: +4.5dBm~+9dBm
- Rx Sensitivity: -32dBm
- Saturation Optical Power: -8dBm

Management Mode

- SNMP/Telnet/CLI/WEB/SSH v2

Management Function

- Fan Group Control;
- Port Status monitoring and configuration management;
- Online ONU configuration and management;
- User management, Alarm management

Layer 2 Feature

- 16K MAC address
- Support port VLAN and protocol VLAN
- Support 4096 VLANs
- Support VLAN tag/Un-tag, VLAN transparent transmission, QinQ
- Support IEEE802.3d trunk
- Support RSTP, MSTP
- QoS based on port, VID, TOS and MAC address
- IEEE802.x flow control

Multicast

- IGMP snooping
- 256 IP Multicast Groups

DHCP Functions

- DHCP server
- DHCP relay
- DHCP snooping

Layer 3 Features

- ARP proxy
- Static route
- 1024 hardware Host Routes
- 512 hardware Subnet Routes
- Support RIPv1/v2, OSPFv2/v3
- Support PPPoE/PPPoE+



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Technical Specifications:

Security Management

- Support IEEE802.1x, Radius, Tacacs+
- Support DHCP Snooping, DHCP Opiton82, IP Source Guard
- Support HTTPs, SSHv2

IPv6 Feature

- Support IPv6 Neighbor Discovery, SLAAC Snooping
- Support DHCPv6 Server, DHCPv6 Relay, DHCPv6 Snooping
- Support IPV6 Static Route
- Support IPV6 Dynamic Route Protocol: RIPng, OSPF6
- Support MLD V1/V2
- Support IPv6 ACL
- Support IPv6 SNMP, Telnet, Https, SSH management

EPON Function

- Support port-based rate limitation and bandwidth control
- In compliant with IEEE802.3ah standard
- Support data encryption, multi-cast, port VLAN, separation, RSTP, etc
- Support Dynamic Bandwidth Allocation (DBA)
- Support ONU auto-discovery/link detection/remote upgrade of software
- Support VLAN division and user separation to avoid broadcast storm
- Support various LLID configuration and single LLID configuration
- Different user and different service could provide different QoS by means of different LLID channels

- Support power-off alarm function, easy for link problem detection
- Support broadcasting storm resistance function
- Support port isolation between different ports
- Support ACL to configure data packet filter flexibly
- Specialized design for system breakdown prevention to maintain stable system
- Support dynamic distance calculation on EMS online

Item		SOL1004-DP
Chassis	Rack	1U 19 inch standard box
1000M/ 10000M Uplink Port	QTY	8
	RJ45	4
	1GE/ 10GE SFP Slots	4
EPON Port	QTY	4
	Physical Interface	SFP Slots
	Connector Type	PX20+++
	Max splitting ratio	1:64
Dimension (LxWxH)		442x200x43.6mm
Weight		3.3kg
Power Supply		AC 100~240V, 50/60Hz
AC Power Supply		2x Redundant
Power Consumption		30W
Operating Environment	Working Temperature	0~+50°C
	Storage Temperature	-40~+85°C
	Relative Humidity	5~90% (non-conditioning)

Ordering Information:

ProductName	ProductDescription	PowerConfiguration	Accessories(Optional)
SOL1004-DP	4xEPON, 4xRJ45+4x 1GE /10GE SFP Slot	2 x AC Power (Redundant)	EPON SFP PX20+++ Module 1.25G SFP Module 10G SFP+ Module