SUNNISKY OLT1004 GEPON OLT

SUNNISKY OLT1004 GEPON (Gigabit Ethernet Passive Optical Network) OLT (Optical Line Terminal) is one of compact GEPON system product, which is compliant to the IEEE802.3ah standard. It could deliver 1.25Gbps bandwidth over a single fiber PON network with a variety of traffic of high speed Internet access-data, VoIP and Video service, which is named as "Triple Play" service.

Working together with SUNNISKY ONU1000 series ONU and optical passive splitter, SUNNISKY OLT1004 with 4 ways GEPON ports to communicate with downlink ONU devices-SUNNISKY ONU1000 and 4 ways Combo uplink 1000M RJ45 ports with L2 function, will build one high-speed, cost-efficient and perfect optical passive carrying network for FTTH (Fiber to the Home) solution in last "one" mile or FTTB (Fiber to the Building) /FTTC (Fiber to the Curb) solution.
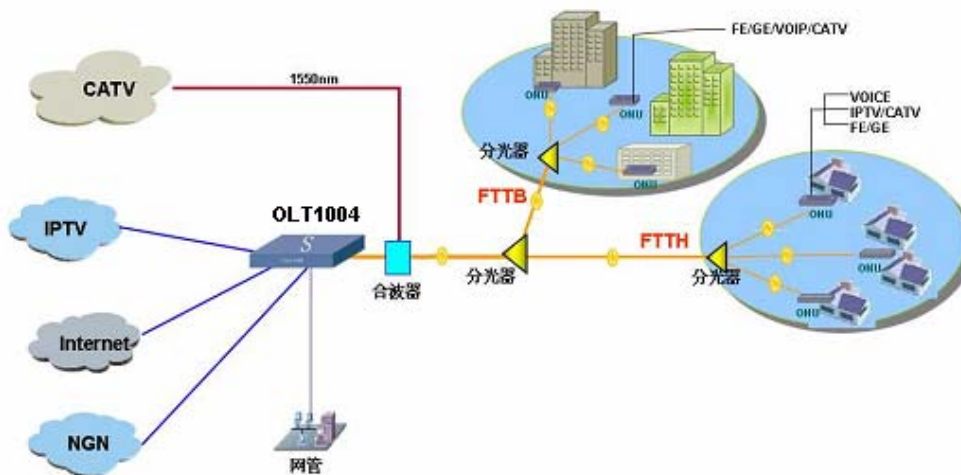
Feature

- Compliant to the IEEE802.3ah EPON standard
- 1.25Gbps for uplink and downlink
- One OLT supports maximum 256pcs ONU
- Support maximum 1:64 split ratio
- Support 20Km Maximum distance
- Layer 2 Switching function
- three wave length:1310nm, 1490nm, 1550nm
- 19"rack/1U mountable
- OAM support
- Strong ACL（L2-L4）function
- ONU automatically identify
- AES-128 bi-directional encryption
- Support IGMP Proxy, and Multicast (Max. 1024 users)
- Support QinQ
- MAC address limitation
- Support DBA (dynamic bandwidth allocation)
- SNMP network management
- Easy to operation

Specification

S/W mode	S&F, 1Mb buffer
MTU Jumbo Frame	MTU 1526 Bytes Jumbo Frame 8 B y t e
Switch fabric	24G
Bandwidth profile	Per UNI

	CIR in 64kbps increment
	SLA
Traffic control	802.3x back pressure
	Storm control
Multicast	IGMP Snooping V1/V2/V3
	MVR
	Up to 1K IGMP groups
Port features	SFP Digital Diagnostic
	Port loop back detection
LAG (802.3ad)	Support 6 trunk groups
	Up to 8 ports in one group
	6 load balancing modes
Mirroring	Ingress and egress per port
MAC address table	802.1D
	16K MAC address
	100 static MAC address
	MAC address clear/search
Spanning T r e	802.1d STP
	802.1w RSTP
QoS	8 queues per port
	SP, WRR and SP+WRR
	802.1p CoS, DSCP and port p priority
	Traffic engineering
	Traffic flow statistic
	Priority mapping
	Flow based 802.1p CoS, D p r e w
ACL	Based on MAC , I o L P o , IP o L Poor L4 Port - ACL map based on L2-L4 bit
Security	Management access ACL
	User classification and account protection
	AAA/Radius/TACACS+
	MAC address binding
	Prevent DoS attack
	Port isolation
	802.1x based on port/MAC
	SSH
	IP source guard
	Dynamic ARP inspection
Management	CLI through Console/Telnet
	SNMP V1/V2C/V3
	RMON Group v1, 2, 3 and 9
	Web management
	Bridge MIB (RFC1493)
	Alarm classification
	System log/Ping
OAM	802.3ah Standard

Note: All specifications are subject to change without notice.

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