




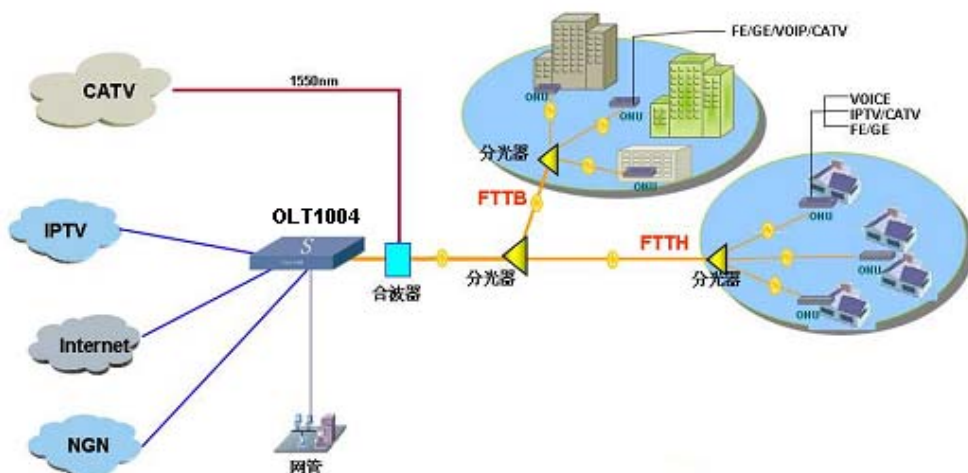


### SUNNISKY ONU1000 Series GEPON ONU

SUNNISKY ONU1000 series GEPON (Gigabit Ethernet Passive Optical Network) ONU (Optical Network Terminal) including ONU1101, ONU1124, ONU1204 and ONU1304 which are compliant to the IEEE802.3ah standard, could provide customers with variety of options to best meet their different demand, for example, data or/and telephone (VoIP) or/and Video. They 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.

ONU1101		1 way PON port, 1 way downlink 10/100M RJ45 ports to support data service, and provide 1GE Ethernet port to support high speed Internet access, IPTV VOD and HDTV services.
ONU1104		1 way PON port, 4 way downlink 10/100M RJ45 ports to support data service, and provide 1GE Ethernet port to support high speed Internet access, IPTV VOD and HDTV services.
ONU1124		1 way PON port, 24 ways downlink 10/100M RJ45 (24FE Ethernet) ports with L2 function to support data service, and provide 1GE Ethernet port to support high speed Internet access, IPTV VOD and HDTV services.
ONU1204		1 way PON port, 4 ways downlink 10/100M RJ45 (4FE Ethernet) ports with L2 function to support data service, and provide 1GE Ethernet port to support high speed Internet access, IPTV VOD and HDTV services; And 2 POTS VoIP ports to provide Voice service which supports SIP, H.248, MGCP protocols.
ONU1304		1 way PON port, 4 ways downlink 10/100M RJ45 (4FE Ethernet) ports with L2 function to support data service, and provide 1GE Ethernet port to support high speed Internet access, IPTV VOD and HDTV services; And 2 POTS VoIP ports to provide Voice service which supports SIP, H.248, MGCP protocols; And RF-Video port to receive CATV and CADTV programs. So it is importance ONU to realize "Triple Play" service.

Working together with SUNNISKY OLT1004 EPON OLT and optical passive splitter, SUNNISKY ONU1000 series 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, and support Data, VoIP and Video services (Optional for different model of ONU1000 series)
- ONU automatically identified by SUNNISKY OLT1004 GEAPON OLT
- OAM support
- Support 20Km Maximum distance
- Store-and-forward Forwarding mode
- Max frame size 1600 Bytes
- Port rate limiting Based on ingress and egress of each port, 64Kbps increment
- 120~8K MAC addresses (Optional)
- Multicast supports IGMP Snooping V1/V2/V3
- Support storm control of broadcast, multicast and DLF according to PPS (packets per second)
- Flow control IEEE802.3x in full duplex, back pressure in half duplex Head of line
- VLAN 802.1Q, 4K active VLAN,Q-in-Q
- Voice function Support SIP/SDP (only for ONU1204 and ONU1304)
- Codec support :G.711 a/μ law,G.729,G.726.G.723 etc
- Mixed SIP,P2MP calls by SIP proxy server (only for ONU1204 and ONU1304)
- Support P2P calls (only for ONU1204 and ONU1304)
- RF-Video function for CATV (Cable Television) and Digital CATV (Cable Television) (only for ONU1304)
- SLA Support upstream Service Level Agreement, 64kbps step
- Up to 4 output queues of QoS
- Strict Priority forwarding scheme of QoS
- Support L2-L4 packet filtering of QoS
- Link diagnostic on PON network
- Support 802.3ah standard OAM
- ONU remote management
- SNMP/console network management
- ONU working state monitor and alarm
- Easy to operation

**Specification**

		ONU1101	ONU 1204	ONU 1124	ONU 1304
PON port	Quantity	1			
	Rate	Uplink:1.25Gbit/s; Downlink:1.25Gbit/s			
	Wave length	Uplink: 1490nm; Downlink: 1310nm			RF-Video1550nm
	Maximum distance	20Km			
	Max. split ratio for each PON port	1:64			
Ethernet interface	Quantity	1	4	24	4
	Rate	GE (Combo)	FE (RJ45)		
Voice port		N/A	2 VoIP FXS ports (RJ-11)	N/A	2 VoIP FXS ports (RJ-11)
RF-Video port (45~870MHz)		N/A	N/A	N/A	1
Exchange capability		16Gbps	16Gbps	48Gbps	16Gbps
IEEE 802.1Q VLAN		4K active VLAN,Q-in-Q			
Bandwidth allocation		64K~1000M bps for each ONU			
Flow control		Full/half duplex mode			
Multicast		Support IGMP Snooping (V1, V2, V3)			
Broadcast storm		Support storm control of broadcast, multicast and DLF according to			

		PPS (packets per second)			
MAC address	Dynamic	8K	16K		
	Static	100	100		
QoS		Yes			
Size		260mm×38mm×130mm	260mm×38mm×130mm	260mm×38mm×420mm	260mm×38mm×130mm
Weight		0.9kg	0.9kg	6kg	3.5kg
Power supply	AC	90~264VAC, 47~63Hz			
	DC	36~75VDC			
Power		≤10W	≤10W	≤10W	≤13W

Note: All specifications are subject to change without notice.



北京阳天宽频网络技术有限公司  
 Beijing Sunnisky B. N. T. Co. Ltd  
 Tel: 0086-10-62102126 FAX:0086-10-82645461  
 E-mail: sales@sunnisky.com  
[www.sunnisky.com](http://www.sunnisky.com)