G1000

XPON ONU
1GE

The SWO-G1000 is an HGU (Home Gateway Unit) designed for various FTTH solutions. The product has carrier-class FTTH application, providing data service access. It is based on stable, mature and cost-effective XPON technology, able to switch automatically between EPON and GPON mode when it connects to the EPON OLT or GPON OLT. The product meets the technical requirements of EPON CTC3.0 and GPON ITU-TG.984.X standards, by adopting highly reliable technology, easily managing system, flexible configuration and high quality of service (QoS).

KEY FEATURES

- Support EPON/ GPON mode and auto-switch
- Support ONU auto-discovery/ link detection/ remote upgrade
- Support route PPPoE/ DHCP/ Static IP and bridge mode
- Support IPv4/ IPv6 dual mode
- Support firewall function and IGMP multi-cast feature
- Support LAN IP and DHCP server configuration
- Support port forwarding and loop-detect
- Support TR069 remote configuration and maintenance

TECHNICAL SPECIFICATIONS

PON Interface	1 GPON BOB (bosa on board)
	Receiving sensitivity: ≤ -28dBm
	Transmit optical power: +1 ~ +4dBm
	Transmit distance: 20KM
Wavelength	TX: 1310nm, RX: 1490nm
Optical Interface	SC/ UPC connector
Chip Spec	RTL9601D, CPU 300MHz, DDR2 32MB
Flash	SPI NOR flash 16MB
LAN Interface	1x 10/ 100/ 1000Mbps auto adaptive ethernet interface. RJ45 connector
LED	4 LED, for status of PWR, LOS, PON, LINK/ACT
Push-Button	Power on/ off, reset
Operating Condition	Temperature: 0°C ~ 50°C/ 32°F ~ 122 °F
	Humidity: 10% ~ 90% (non-condensing)
Storing Condition	Temperature: -30°C ~ 60°C/ -22 °F ~ 140 °F
	Humidity: 10% ~ 90% (non-condensing)
Power Supply	DC 12V/ 0.5A
Power Consumption	< 3W
Dimensions	120mm x 78mm x 30mm/ 4.72in x 3.07in x 1.18in
Net Weight	0.13kg/ 0.28lbs

PANEL LIGHTS INTRODUCTION

PWR	On	Power on
	Off	Power off
PON	On	Registered to the PON system
	Blink	Registering to the PON system
	Off	Incorrect registration
LOS	Blink	Optical signal not received
	Off	Optical signal received
LINK/ ACT	On	Port connected correctly (LINK)

Blink	Port sending or/and receiving data (ACT)
Off	Port connection incorrect

APPLICATION	
Typical Solution	FTTO (office), FTTB (building), FTTH (home)
Typical Business	INTERNET, IPTV etc.

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