



G1000

XPON ONU

1GE

The SWO-G1000 is an HGU (Home Gateway Unit) designed for various FTTH solutions. The product has a carrier-class FTTH application, providing data service access with stable, mature and cost-effective XPON technology. It is 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, an easy management system, flexible configuration and high quality of service (QoS).

KEY FEATURES

Supports:

- EPON/ GPON mode and auto-switch
- ONU auto-discovery/ link detection/ remote upgrade
- Route PPPoE/ DHCP/ Static IP and bridge mode
- IPv4/IPv6 dual mode
- Firewall function and IGMP multi-cast feature
- LAN IP and DHCP server configuration
- Port forwarding and loop-detect
- 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: 20 km
Wavelength	TX: 1310 nm, RX: 1490 nm
Optical Interface	SC/UPC connector
Chip Spec	RTL9601D, CPU 300 MHz, DDR2 32 MB
Flash	SPI NOR flash 16 MB
LAN Interface	1x 10/100/1000 Mbps 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	120 mm x 78 mm x 30 mm 4.72 in x 3.07 in x 1.18 in
Net Weight	0.13 kg 0.28 lbs

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

G1000 DATASHEET

	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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