

SFU GPON FG-R020 product catalogue



A1 光纤接入终端设备系列
Fiber Optic Access Terminal Equipment

PON上行 SFU
PON Uplink SFU

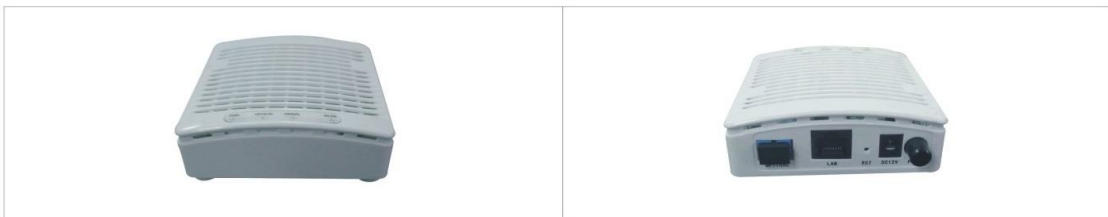
应用范围

应用于光纤到户 (FTTH) 等。

APPLICATION

Apply to Fiber to the Home (FTTH) and so on.

产品图片 PRODUCT PICTURE



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Product Description

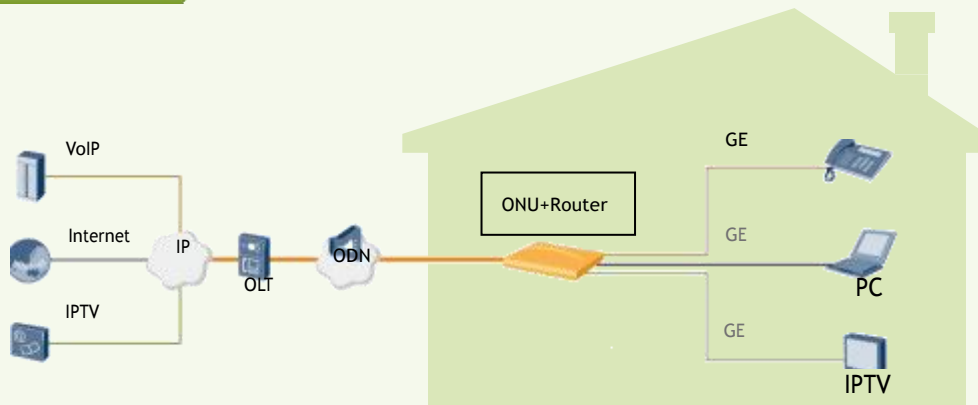
The FG-R020 optical network unit (ONU), is a high-end home gateway in Tianyi FTTH solution. By using the GPON technology, ultra-broadband access is provided for home and SOHO users. The FG-R020 provides 1*25GE auto-adapting Ethernet port and one GPON fiber port. The FG-R020 features high-performance forwarding capabilities to ensure excellent experience with VoIP, Internet and HD video services. Therefore, the FG-R020 provides the perfect terminal solution and future-oriented service supporting capabilities for FTTH deployment.

Product Highlights

- Fully compatible with ITU-T G.984.1/2/3/4.
 - Supports PLOAM, embedded OMCI management with G.984 standard.
 - Supports GPON energy saving of G987.3 protocol.
 - Supports AES, key switching, upstream and downstream FEC.
 - Supports downlink rate 2.448Gbit/s, uplink rate is 1.244Gbit/s.
 - Supports 256 PON Classification Rules.
 - Supports IEEE 802.1Q VLAN.
 - Supports IEEE 802.1ad Stacking VLAN.
 - Supports IVL, SVL, and IVL/SVL.
 - Supports Green Ethernet.
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Network



Key

GPON:

- Compliant with ITU G.984.x.
- Bandwidth up: 1.24416G/down: 2.48832G.
- Supports upstream and downstream FEC.
- Supports AES, key switching.
- Supports GTCONT 22 GEM

Supports 256 PON Classification Rules:

- Supports SVLAN tagging/removing.
- Supports CVLAN tagging/removing.
- Supports indirect GEMPort assignment.
- Supports forced UNI ports forwarding and queuing priority assignment.
- VLAN translation/aggregation functions.

Supports ACL Rules:

- Supports MAC, IP, TCP/UDP, ICMP, IGMP, IPv6 Format.
- Supports trap, dropping, priority adjustment, traffic policing, interrupt, DSCP remarking and IP remarking.
- Supports 4 templates of user defined ACL rule format.
- Supports VID/IP/L4/Packet Length Port range check.

Others:

- Supports IEEE 802.1Q VLAN.
- Supports IEEE 802.1ad Stacking VLAN

Product



Dimensions(W x D x H)	89mm x 89mm x 30mm
Port	1*2.5GE+1*GPON
Average power	<4W
Operating environment	Temperature: 0°C~+40°C; Humidity: 5%~95%, non-condensing
Power supply	Adapter input: 100~240 V AC, 50~60Hz; Adapter output: 11~14 V

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Product Datasheet

Product Data Sheet		
Model Name		FG-R020
Description		1*2.5GE
	Chipset	RTL9601D+RTL8290B
	PON	1*GPON
	WAN	0
	LAN	1 * 2.5GE
	FXS	X
	Flash/SDRAM	8 MB/Internal 32MB
	Dying Gasp	X
	USB	X
	Power Switch	V
	Antenna Type	X
	WLAN button	X
	Reset button	V
	WPS button	X
	Switching/Linear	Full-switching Power
	voltage/Amps	12V /0.5A

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	Adapter Type	Optional
	Others	Optional
ME	Housing	V
S/W		by TIANYI
Packing	Splitter	X
	RJ-11 cable	X
	RJ-45 cable	V
	USB cable	X
	CD	X
	QIG	X
	GB	Box + Lining
	Label	V
	Others	X
Others	Spare Parts	X
	Others	X