

GP-611

GPON ONU with 1 GE, WiFi, CATV and FWDM

Product Overview

GP-611 is an ITU-T G.984 compliant GPON ONU with one Gigabit Ethernet port, CATV RF port and IEEE 802.11b/g/n WiFi, which is designed to provide internet and CATV services in Fiber To The Home (FTTH) network.

GP-611 offers a single optical fiber solution to supporting 1310/1490nm upstream & downstream GPON, and 1550nm CATV optical reception capabilities, which can further help multi-service operator (MSO) to save the deployment cost of optical distribution network in the last one-mile.

GP-611 provides front panel LED status indicators for visual indication of operational status; it features a Web-based user interface that is easy for device installation and remote troubleshooting.



Main Features

- ITU-T G.984 Class B+ GPON ports, delivers up to 2.5Gbps
- Single fiber input, supporting 1310/1490nm up/downstream GPON and 1550nm CATV
- One IEEE802.3ab 100/1000Mbps ethernet port
- Supports IEEE802.11b/g/n WiFi routing, up to 300Mbps
- Supports CATV RF output
- Unitcast and Multicast, VLAN, IGMP Snooping
- Supports PPPoE, Static IP, DHCP and Bridge modes
- Supports NAT/NAPT, port forwarding, DDNS/DNS server/client
- Supports IPv6/IPv4
- Supports DBA, MAC and Port-based speed limitation and bandwidth control
- Supports CLI, Telnet, Web and remote control and management

Technical Specifications:

PON Port

Interface	1 x GPON Class B+ Port
Standard	ITU-T G.984
Rx Optical Power	-27dBm
Transmission Rate	US: 1.25Gbps, DS: 2.5Gbps
Wavelength	US: 1310nm, DS: 1490nm
Connector	SC/APC
Optical Fiber Type	single mode, single fiber

LAN Port

Interface	1 x 100/1000Base-T Ethernet
Standard	IEEE 802.3ab
Connector	RJ-45
Others	Auto MDI-X, Auto-Negotiation
VLAN	VLAN tag/untag, QinQ VLAN

Wireless

Operation Mode	Bridge and Router
Wireless Frequency	2.4GHz
Wireless Standards	IEEE 802.11 b/g/n
Dynamic Signal Rate	b: up to 11Mbps g: up to 54Mbps n: up to 300Mbps
Antenna Type	External Antenna
EIRP	Adjustable
Wireless Security	WEP, WPA2, WPA2 mixed

CATV

Optical Input	FWDM, Share with GPON optical input
RF Output	1 x RF Output, F-type, 75 ohm
Frequency Range	51-862MHz

Management and Maintenance

Protocol	Web, CLI, SNMP-based NMS
Functions	Graphical user interfaces, supports parameter settings and management, status monitoring and software upgrades

Miscellaneous

Front Panel	LED Indicator, for Power, PON, WLAN/Run and four LAN ports status indication
Rear Panel	1 x DC Power Jack and Power Button

Power Supply

Power Supply	DC 12V Input External AC Power Adapter (with 100-240V, 50/60Hz AC Input, +12V DC Output)
Power Consumption	4.0W (Typ.)

Environmental

Operating Temperature	0°C to 40°C(32°F to 104°F)
Storage Temperature	-40°C to 75°C(-40°F to 167°F)
Operating Humidity	Up to 90%, non-condensing

Mechanical

Product Dimensions (W x H x D)	162mm x 30mm x 140mm (6.38'' x 1.18'' x 5.5'')
Product Weight	Approx. 0.21Kg (0.46 lbs)

Ordering Information:

Hardware Option

Ordering Codes	Descriptions
GP-611	GPON ONU w/1 x Optical Port(GPON + CATV), 1 x GE, CATV RF Output, WiFi, 220V AC Power Adapter

For More Information

Please visit our website: <http://www.gospell.com> or contact your local sales representative:

GOSPELL Shenzhen, China

Overseas Sales Center
Block F10-F13, F518 Idea Land, Baoyuan
road, Bao'an Central District, Shenzhen
518102, Guangdong Province, China
TEL: +86-755-26716172
FAX: +86-755-29114035
E_mail: sales.dtv@gospell.com

GOSPELL India (Office)

Office No.C-503, 5th Floor, L.B.S. Road, Bhandup
(West), Mumbai-400078
TEL: +91 9167995 705
E_mail: ashish@gospell.com

GOSPELL Mexico (Office)

Avenida Patria NO3489.EL Tapatio Tlaquepaque
Jal.Mexico C.P.45588
TEL: +52 (33) 3860-7059
E_mail: ventas@gospell.mx

GOSPELL Brazil (Joint Office)

Rua Engenheiro Prudente, 477/483, Sao
Paulo, Brazil
TEL: +55 (11) 2274-1455
E_mail: zhoyong@gospell.com

GOSPELL Paraguay (Joint Office)

Tte. Garay 1795 esq. Campo Vía Barrio San
Vicente Asunción - Paraguay
TEL: +595 21 33 43 02

©2018 GOSPELL Digital Technology Co., Ltd. All rights reserved.

The GOSPELL logo is a trademark of GOSPELL Digital Technology Co., Ltd.,
All other trademarks mentioned in this document are the property of their respective owners.
Product pictures are for reference only, GOSPELL reserves the right to modify the specifications without
prior notice.

GOSPELL[®]
— Technology Serves People —