

# GP6050/6051

## GPON Indoor IAD



### Features

- Support full GPON bandwidth of up to 2.5Gbps downstream and 1.25Gbps upstream access
- Support IP video through data port
- Support VoIP for voice service
- Support Router function
- Support IEEE 802.11n 2.4GHz WLAN function
- Support USB host function
- Support RF Video Overlay
- Support CLI, Web GUI

Model Name	Gigabit Ethernet	FXS	WiFi	USB as Optional 2 ports max.	RF Overlay
GP6050	4	2	11n	2	n/a
GP6051	4	2	11n	2	1

**GP6050/6051** product is an ITU-T G.984 complying ONU and integrates residential gateway functions, with VoIP function to provide triple play services and with WiFi for home networking service. GP6050/6051 product provides a high bandwidth access and full functions for home users.

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## GPON Indoor IAD

### Specifications

#### Interfaces

- One SC/APC connector
  - Wavelength: 1310nm downstream and 1490nm upstream for data transmit and receive, 1550nm Downstream for RF Video
  - 28dB optical loss budget (Class B+)
- One F type connector for analog TV
- Four RJ-45 connectors for 10/100/1000 BASE-T/TX
- Two RJ-11 connectors for FXS
- Two USB 2.0
- One power button
- One reset button
- One WPS button
- One power jack for 12V DC input

#### Compliant Standards

- ITU-T G.984.1, 984.2, 984.3, 984.4, 984.5(optional)
- IEEE 802.1p
- IEEE 802.1Q
- IEEE 802.1D
- IEEE 802.3
- IEEE 802.3u
- IEEE 802.3x

#### QoS

- VLAN
- Strict Priority & Weighted Round-Robin Priority
- Multicast IGMP filtering & snooping
- IGMP proxy

#### VoIP

- SIP v2 (RFC3261)
- CODECS: G.711, G.726, G.729
- T.38 FAX Relay

#### Router

- PPPoE
- Packet filtering
- NAT/NAPT
- Static Route
- RIP V1/V2
- DHCP server/client

#### Security

- Broadcast storm protection for LAN port
- IEEE 802.1x WiFi authentication
- AES-128 Encryption
- Firewall
- DoS
- DMZ
- VPN pass though

#### WLAN

- IEEE 802.11 b/g/n
- Frequency band: 2.400~2.4835GHz
- Operating Channels: 1~13 channels
- WEP, SSID, WPA, WPA2
- WPS

#### Management

- Remote control from OMCI
- TR-069
- Dynamic Bandwidth Allocation
- Remote software upgrade

#### Operating Environment

- Operating Temperature: 0~40 °C
- Operating Humidity: 10%~90% (non-condensed)

#### Power Requirement

- Power: 12V DC / 2.0A max input

#### Physical Specification

- Dimension: 208(W) x 148 (L) x 42 (H) mm