



Broadband Access Solutions Digital Home Solutions Wireless Networking Solutions

GPON compliant with ITU-T G.984

Class B+ Optical Transceiver

Four GE Ports

One FXS Port

WiFi 11n 2.4GHz, MIMO 2x2

WiFi 11ac 5GHz, MIMO 2x2

Dying Gasp

Remote Management by OMCI and TR-069

PRV44AC

GPON VoIP Home Gateway with 11ac Dual Band Concurrent

PRV44AC is Wi-Fi 11ac dual-band concurrent GPON IAD (Integrated Access Device) to be integrated with GPON, WiFi, VoIP and Ethernet. Regarding GPON technology, it provides a very high speed broadband data rate, 2.488Gbps for the downstream & 1.244Gbps for the upstream.

Adapted WiFi5 technology, 2.4Ghz 11n 2x2 MIMO and 5GHz 11ac 2x2 MIMO, it establishes high speed wireless network for a modern house. It can support all WiFi devices at home.

Integrated with one four GE ports, it provides a reliable high speed wired connectivity. Integrated with one RJ11 FXS port, it supports the voice function by SIP VOIP protocol.

Integrated with Dying Gasp, it will inform GPON head-end OLT once PRV44AC losing the electrical power. It supports OMCI and TR-069 for remote management and provision.

PRV44AC

GPON WiFi5 VoIP Home Gateway

TECHNICAL SPECIFICATION

GPON Features

- Compliant with ITU-T G.984 GPON Standards
- Class B+ Optical Transceiver
- 1310nm, upstream wavelength
- 1490nm, downstream wavelength
- 2.488Gbps, downstream data rate
- 1.244Gbps, upstream data rate

User Interfaces

- One SC/APC Optical Connector
- Four GE Ports
- One RJ11 FXS Port
- WiFi 802.11n, 2.4GHz, MIMO 2x2
- WiFi 802.11ac, 5GHz, MIMO 2x2
- One DC Input Jack
- One Power ON/OFF switch
- One Reset Button
- One WPS&WLAN ON/OFF Button

Power Supply

- AC input: 100V-240V
- DC output: 12V/1.5A

Physical & Environmental Specifications

- Dimension: 205mm x 35/85mm x 205mm (W x D x H)
- Net Weight: 600g
- Installation: Desktop & wall mounting
- Operation Temperature : 0 ~ 40 °C
- Humidity : 10 ~ 90% relative humidity

Network Features

- DHCP client/server
- IPv4 / IPv6 Dual Stack
- QoS
- IGMP v2/v3 snooping
- NAT and NAPT
- Virtual server and Virtual DMZ
- Firewall

Wireless Features

- Wireless access control(MAC)
- WMM support
- WiFi Security: WEP/WPA/WPA2/WPS
- WiFi frequency(follow Telmex E1703_13b2 & E1703_15a1)
2.4G : 2412~2462MHz (Ch1~11) (2467~2483MHz not used)
output power : Maximum 22±1dBm(EIRP)
5G : 5260~5580MHz (ch52~116) ;
5660~5825MHz (ch132~165)
output power : Maximum 22±1dBm(EIRP)
*5150-5250 MHz & 5600-5650 MHz NOT used for national regulation limitation

VOIP Features

- Comply with ITU-T G.711, G.729, G.726
- 3-way conference call
- Fax T.38
- Caller ID

Management Features

- HTTP web server
- Web UI management via local or remote site
- Firmware upgrade via HTTP/FTP
- TR-069 remote management
- OMCI remote management

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LED INDICATORS

Label	Color	Status	Definition
Power	Green	ON	Power on, normal operation
		OFF	Power off or no power
Internet	Green	ON	received one IP address from the internet
		OFF	No link to internet
Fiber	Green	ON	OMCI provisioned. Data path is working.
		Blink	RX optical available and detected, OMCI synchronizing
	Red	ON	Lost optical signal
LAN	Green	ON	Device connected
		OFF	No device link
VoIP	Green	ON	SIP registered
		Off	No SIP registered
WPS/ WLAN	Green	ON	WiFi connection successful
		Blink	WiFi transmitting/ receiving traffic
		OFF	WiFi connection off
		flash periodically	WPS is activated

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I/O Connectors

Label	Color/ Type	Description
GPON	SC/APC	Connecting to optical cable
LAN1	RJ45 Yellow	Gb Ethernet LAN connection
LAN2	RJ45 Yellow	Gb Ethernet LAN connection
LAN3	RJ45 Yellow	Gb Ethernet LAN connection
LAN4	RJ45 Yellow	Gb Ethernet LAN connection
PHONE	RJ11 Green	Connecting to phone for voice calling service
WPS/WLAN	Black button	Short press: enable WPS Long press: enable/ disable Wireless connection
On/Off	Black button	Push to power on or power off device
Reset	Black button	Push to recover factory reset



PRV44AC

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Dimension :
205 x 85 x 205 mm
(stand including)

