

# PG2449H

GPON ONT for FTTH Networks  
BOSA On Board Optical Solution  
AX6000, Wi-Fi 6 DBDC



## Product Overview

PG2449H provides multi-gigabit services with the latest Wi-Fi technology, Wi-Fi 6. Its Wi-Fi 6 features adding Smart Wi-Fi Mesh delivers premium whole home Wi-Fi experience with extended coverage, enhanced Wi-Fi speed and signal, and increased capacity. Service providers will be able to offer the quality of services by enabling 4K video streaming, VR/AR gaming, and smart home. It is compliant with ITU-T G.984.x and G988, and is available remote management with OMCI standard.

## FEATURES

- Integrated 2.5/1.25 Gbps GPON port
- Compliant with ITU-T G.984.2 Amd1, Class B+
- Dual-Band and Dual-Concurrent Wi-Fi (DBDC)
- WPS button for a secure wireless home network
- Remote Management



Up to 2.5 Gbps  
Download Speed



4X4 / 4X4  
Dual Band Concurrent



Wi-Fi 6  
(802.11ax)



TR-069



Mobile App  
Support

# Technical Specifications

## Network

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- IPv4 / IPv6
- DHCP
- IGMP(v2/v3)
- Multicast Support
- NTP
- IEEE 802.1
- IEEE 802.1p(DiffServ)
- IEEE 802.1q VLAN
- Multi SSID

## WLAN

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- 802.11 a/b/g/n/ac /ax Dual-Band Concurrent
- 4x4 (11ax 2.4GHz), 4x4 (11ax 5GHz)
- MU-MIMO Support

## Security

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- Security/Encryption Modes
- WPA2-PSK(AES)
- Stateful Packet Inspection Firewall
- MAC address filtering

## GPON Features

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- BOSA on Board Optical, SC/APC Connector
- Compliant with ITU-T G.984.2 Amd1, Class B+
- Support G.984.5 Blocking Filter as an Option
- RX: 2.488 Gbps / TX: 1.244 Gbps

## Accessory

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- 12V / 3.0A Power Adaptor
- User Manual

## Management/ Diagnostics/ Configuration

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- Remote Monitoring & Display in Topology (TR-069)
- WEB/UI(HTTP/HTML)

## Compliance/Certificates

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- WFA (Wi-Fi6 & EasyMesh)
- BBF-247
- CE Certificate
- RoHS

## Physical Interface

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- Fiber Optic
- 4 x GbE LAN port
- 1 x 2.5GbE WAN/LAN port
- 2 x FXS ports (RJ-11)
- 1 x USB3.0 port
- 1 x Reset Hole
- 1 x WPS button
- LED Indicators

## Features

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- EasyMesh
- Band steering/AP steering
- Airtime Fairness
- VoIP

## Mechanical & Environmental Specification

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- Operating Temperature : 0°C (32°F) ~ 45°C (113°F)
- Humidity : 5 ~ 95% Relative Humidity
- Dimensions(W x D x H) : 94(35)mm x 190mm x 240mm