

XGS-PON/GPON

XGS-PON is a newer standard for passive optical networks (PON) that supports 10 Gbps symmetric data transmission. It supports multiple PON services to operate simultaneously on the same PON, providing more and better services through existing infrastructure with easy management. Empowered by the latest Wi-Fi technology, the true XGS-PON speeds is unlocked. Users can enjoy higher speeds, lower latency, and bigger capacity for premium wireless experiences.

Higher Bandwidth, Higher Quality of Service

XGS-PON provides up to 10 Gbps of uplink and downlink bandwidth simultaneously. It meets the higher bandwidth demand of various high-bandwidth services while achieving a high-quality and efficient broadband network.

Simplify Network Architecture and Save on Investments

XGS-PON is a future-proof investment because of its higher bandwidth, better cost, the lower total cost of ownership, and longer fiber lifecycle.

More Mainstream Choices for ISPs

The advanced benefits of optical fiber technology over copper have made fiber increasingly popular among ISPs. Fiber optic connections have less loss than copper wires, resulting in longer transmission distances and wider coverage.

XGS-PON Terminal



XGZ030
1-Port XGS-PON Terminal

10G Wired Performance

XGS-PON WAN port + 10G LAN port

Bridge Mode

High-speed transparent transmission

BOSA on Board Design

Support SC/APC port

Remote Management

Supports OMCI

GPON OLTs



DS-P8000-X2*
DeltaStream Chassis Optical Line Terminal-X2

- Centrally manage via the DeltaStream PON management system
- Dual Main Control Unit, each with 6x 10GE SFP+ uplink ports
- 2x Service Boards, which can be 8*GPON/16*GPON/8*XGS-PON&GPON Combo/16*XGS-PON&GPON Combo

- 1x Console and 1x Management port for out-of-brand management
- Pluggable AC+ DC power supply
- Chassis OLT, Rack-Mountable



DS-P7001-08
DeltaStream 8-Port Pizza-box GPON Optical Line Terminal

- Centrally manage via the DeltaStream PON management system
- 8x GPON ports
- Supports 1:128 splitting ratio for every port-up to 1024 ONTs with one device
- 2x 10GE SFP+ and 1x GE RJ45 uplink ports

- 1x Console and 1x Management port for out-of-brand management
- Dual Hot-Swap AC, DC, or mixed power supplies
- 17.3 x 10.2 x 1.7 in (440 x 260 x 44 mm)
- Rack-Mountable

GPON Features

- 1:128 Splitting Ratio for Each PON Port
- Standard OMCI Management Supported
- Uplink and Downlink Data Encryption
- Rogue ONU Detection and Isolation
- ONU Auto Authentication
- Multi-Service Traffic Identify and Rate Limit

L2 and L2+ Features

- Static Routing
- IGMP Snooping/MLD Snooping
- 802.1Q/MAC/Protocol VLAN
- STP/RSTP/MSTP
- Link Aggregation Group (LAG)
- Port Isolation
- DHCP Relay
- IEEE 802.1p/DSCP QoS

Security Strategies

- ACL (IPv4/IPv6)
- IP-MAC-Port-VID Binding
- ARP Inspection
- IP Source Guard
- 802.1x Authentication
- DoS Defend

Centralized Management

- ACL (IPv4/IPv6)
- IP-MAC-Port-VID Binding
- ARP Inspection
- IP Source Guard
- 802.1x Authentication
- DoS Defend

5G(The 5th Generation of Cellular Networks)

5G: Unrivaled Speed, Feel No Lag

The Fastest Speed Ever

5G greatly boosts download speeds up to 3.4 Gbps (theoretically based on R16 Sub-6GHz) – 2.1x faster than 4G LTE-Advanced and 22.7x faster than 4G LTE.

Ultra-Low Latency

5G brings fast responsive network connections to tomorrow's mobile devices, with only 1 ms latency.

5G Router



NE210-Outdoor*
5G Outdoor Gateway

Unrivaled Speed with 5G

Download speeds reach up to 3.4 Gbps—22x faster than 4G

LTE-Advanced Cat 19

Download speeds up to 1600 Mbps

Performance-Driven for Outdoor Environments

1x 2.5GE PoE Port

IP67 Waterproof & Dustproof

- Plug and Play - No configuration needed, compatible with SIM cards in 100+ countries.
- WAN Connection Backup - Features a WAN and 5G/4G/3G failover backup strategy for sustained internet connections.
- Mesh Technology - Create a true mesh network to cover every corner of a home.
- Improved Security - WPA3, the next-gen encryption method, creates extra protection for networks.
- Easy Setup and Use - Simple control and management with the Deco or Aginet app.
- Remote Management - TR-069 (TR-098/TR-181), TR-369, and TAUC management are supported.



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*Actual products may vary from image.

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Reliable. Flexible. Connected.
Aginet Solution



Why TP-Link Aginet

One-Stop Solution

Aginet provides a reliable foundation for cooperation

- Carrier-grade products and tailor-made solutions
- TAUC reduces operational costs and improves customer satisfaction
- The Aginet app brings convenience and flexibility
- Guaranteed quality with rigorous testing and whole-process quality control

Customized Design

Independent R&D and manufacturing capabilities work in conjunction with rich certification to better meet ISPs' demands

- Field-tested functions & features
- Remote management & auto provision interoperability
- Simplified operation and reduced costs for ISPs
- Rich lab certification

Logistic Support

High-quality logistic support ensures operators receive better services and faster product delivery

- High-efficiency export customs clearance
- Pre-stocking service per forecast
- Warehouse localization support
- Quick & responsive delivery process

Pre/After-Sales Service

44 global local teams ensure operators can be supported in a very short time

- Global service coverage
- Quick technical service
- Thoughtful RMA service

Aginet Solution for ISP

Reliable. Flexible. Connected.

TP-Link's Aginet Solution includes TAUC solution, Aginet ACS solution, Aginet Config and Aginet App. It provides ISPs with a fully-functional Wi-Fi management platform. ISPs can easily reduce operational costs and gain maximum profit with the highly powerful and flexible solution.

TP-Link Aginet Unified Cloud Solution

As the next-generation of Wi-Fi management, TAUC offers the TR-369 USP cloud server, carrier-grade TR-369 CPE, a customized mobile app, and tailor-made API services for our ISP customers to form the foundation of our TAUC solutions.



TP-Link Aginet ACS Solution

TP-Link Aginet ACS helps WISPs reduce on-site support by performing operations, diagnosis, and maintenance remotely, and facilitate extensive automation to reduce operation costs.



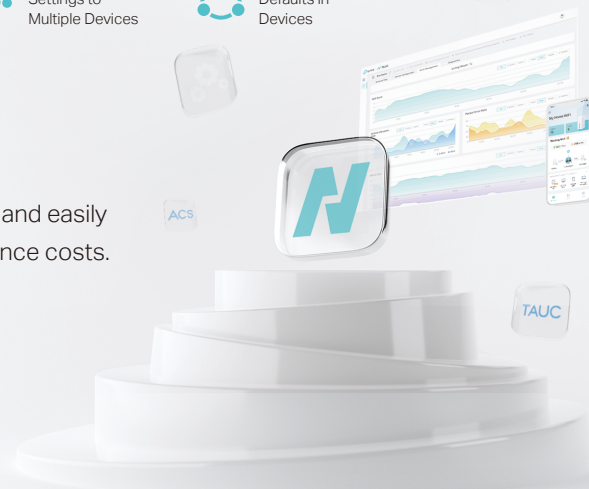
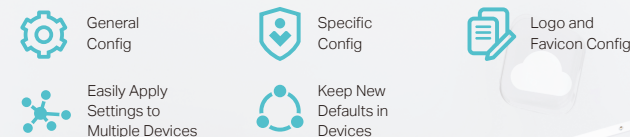
TP-Link's Aginet App

End users can manage and control network devices through the Aginet App, and easily realize network diagnosis. ISPs can also reduce their operation and maintenance costs. ISPs also can use this App to display brands.



TP-Link's Aginet Config

Use Aginet Config to deploy ISP-customized config as the default for all devices. The configuration will stay when your customers restore their devices with the reset button, reducing your operational costs and maintenance fees.



Wi-Fi 7

Multi-Gig Internet Access Solution for Connected Homes

Key features of Wi-Fi 7

Higher Speed and Throughput

- 320 MHz Bandwidth on 6 GHz Band
- 16x16 MU-MIMO
- 4K-QAM
- Multi-Link Operation (MLO)

Higher Efficiency

- Flexible Bandwidth Combination on 6 GHz
- Multi-RU

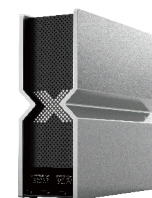
Less Latency

- Multi-Link Operation (MLO)

Stronger Anti-Jamming

- Ultra-Clear 6 GHz Band
- Preamble Puncturing
- Multi-Link Operation (MLO)

Wi-Fi 7 Router



EB810v*

BE22000 Tri-Band Wi-Fi 7 Router

BE22000 Tri-Band Wi-Fi
11520 Mbps (6 GHz) + 8640 Mbps (5 GHz) + 1376 Mbps (2.4 GHz)

Multi-Gig Ports
1x 10G SFP+/RJ45 combo WAN port + 1x 10G LAN port + 3x 2.5G LAN ports

VoIP Calls
2x FXS ports

Lightning-Fast Media Sharing
1x USB 3.0 port

Enhanced Security
TP-Link HomeShield

Whole Home Mesh Wi-Fi 7 System



HB810*

BE22000 Whole Home Mesh Wi-Fi 7 System

BE22000 Tri-Band Wi-Fi
11520 Mbps (6 GHz) + 8640 Mbps (5 GHz) + 1376 Mbps (2.4 GHz)

Multi-Gig Ports
1x 10GE WAN/LAN port + 1x 10GE LAN port + 2x 2.5GE LAN ports

Lightning-Fast Media Sharing
1x USB 3.0 port

Enhanced Security
TP-Link HomeShield

5G Wi-Fi 7 Router



NB610v*

5G BE11000 Wi-Fi 7 Router

BE11000 Tri-Band Wi-Fi
5760 Mbps (6 GHz) + 4320 Mbps (5GHz) + 574 Mbps (2.4 GHz)

EasyMesh Compatible
Create a standard mesh network with great flexibility

Multi-Gig Wired Speeds
1x 2.5GE WAN/LAN port + 1x 2.5GE LAN port + 1x GE LAN port

Connect Numerous Devices
Connects up to 200 devices

XGS-PON Wi-Fi 7 Router



XGB830v*

BE22000 Tri-Band XGS-PON VoIP Wi-Fi 7 Router

BE22000 Tri-Band Wi-Fi
11520 Mbps (6 GHz) + 8640 Mbps (5 GHz) + 1376 Mbps (2.4 GHz)

Multi-Gig Ports
1x 10GE WAN/LAN port + 4x 2.5GE LAN ports

VoIP Calls
2x FXS ports

Lightning-Fast Media Sharing
1x USB 3.0 port

Wi-Fi 6E Router



EX920 AXE7800 Tri-Band Wi-Fi 6E Router

AXE7800 Tri-Band Wi-Fi
2402 Mbps (6 GHz) + 4804 Mbps (5 GHz) + 574 Mbps (2.4 GHz)

Multi-Gig Ports
1x 2.5GE WAN port + 1x 2.5GE LAN port + 2x GE ports

Lightning-Fast Media Sharing
1x USB 3.0 port

Enhanced Security
TP-Link HomeShield

- Wi-Fi 6E Technology - Delivers fast Wi-Fi speeds and higher capacity with 1024-QAM, OFDMA, and HE160.
- MU-MIMO - Simultaneously transfers data to multiple devices for faster performance.
- Beamforming - Concentrates signals to connected devices and delivers highly efficient wireless connections.
- EasyMesh Compatible - Standardized mesh technology enables users to create a whole home network.
- Band Steering - Automatically assigns each device to the best available band to optimize network performance.
- Airtime Fairness - Assigns each device the same amount of time to exchange data to improve network efficiency for high-speed devices.
- Improved Security - WPA3, the next-gen encryption method, creates extra protection for networks.
- Aginet App - Provides simplified control and management from a smartphone or tablet.
- Remote Management - TR-069 (TR-098/TR-181), TR-369, TR-111, TR-143, and TAUC management are supported.

*Products are being developed. Actual product images and features may vary. The HomeShield feature is being developed, it may be available by software update on some models.