

BE19000 Tri-Band Wi-Fi 7 XGS-PON Router

MODEL: XGB835v



Overview

XGB835v is a premium XGS-PON tri-band VoIP router based on the next-gen Wi-Fi 7 technology. It can deliver fastest Wi-Fi speeds to multiple devices all at once with less interference and congestion while being backwards compatible with Wi-Fi 6E/6/5/4 devices. It also equipped with a 10GE WAN port for direct Ethernet internet access, a 10GE LAN port and three 2.5GE LAN ports for fast and reliable wired connection. Perfect for FTTH deployment and a fully connected home.



BE19000 Tri-Band Wi-Fi

Deliver total Wi-Fi speeds up to 19 Gbps across 6 GHz, 5 GHz, and 2.4 GHz bands for even faster speeds, lower latency, and better online experience.



10G Symmetrical Connection

XGS-PON technology provides up to 10 Gbps for both downstream and upstream simultaneously, meeting higher demand of various high-bandwidth services with high-quality.



Multi-Gig Wired Connection

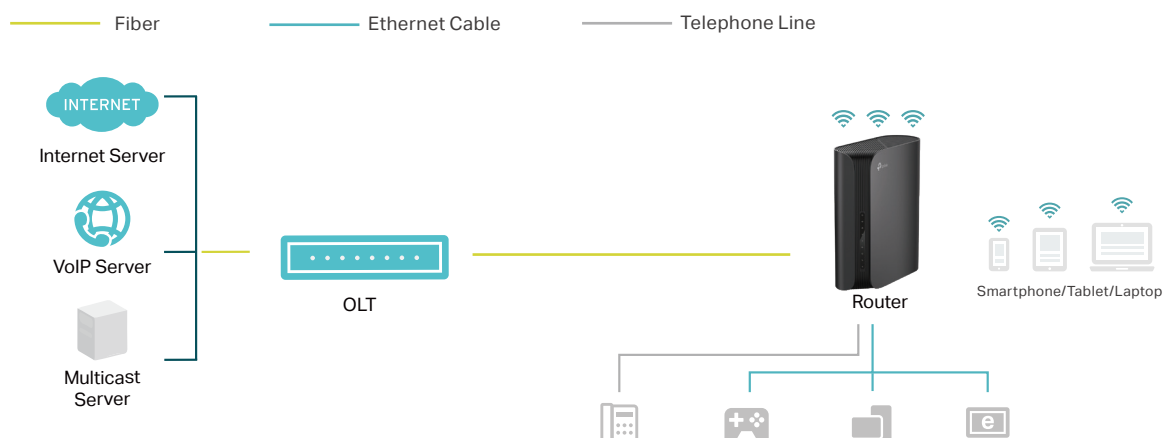
Take full use of the bandwidth speeds to 10 Gbps through a 10GE LAN port and three 2.5GE LAN ports for blazing-fast wired connections.



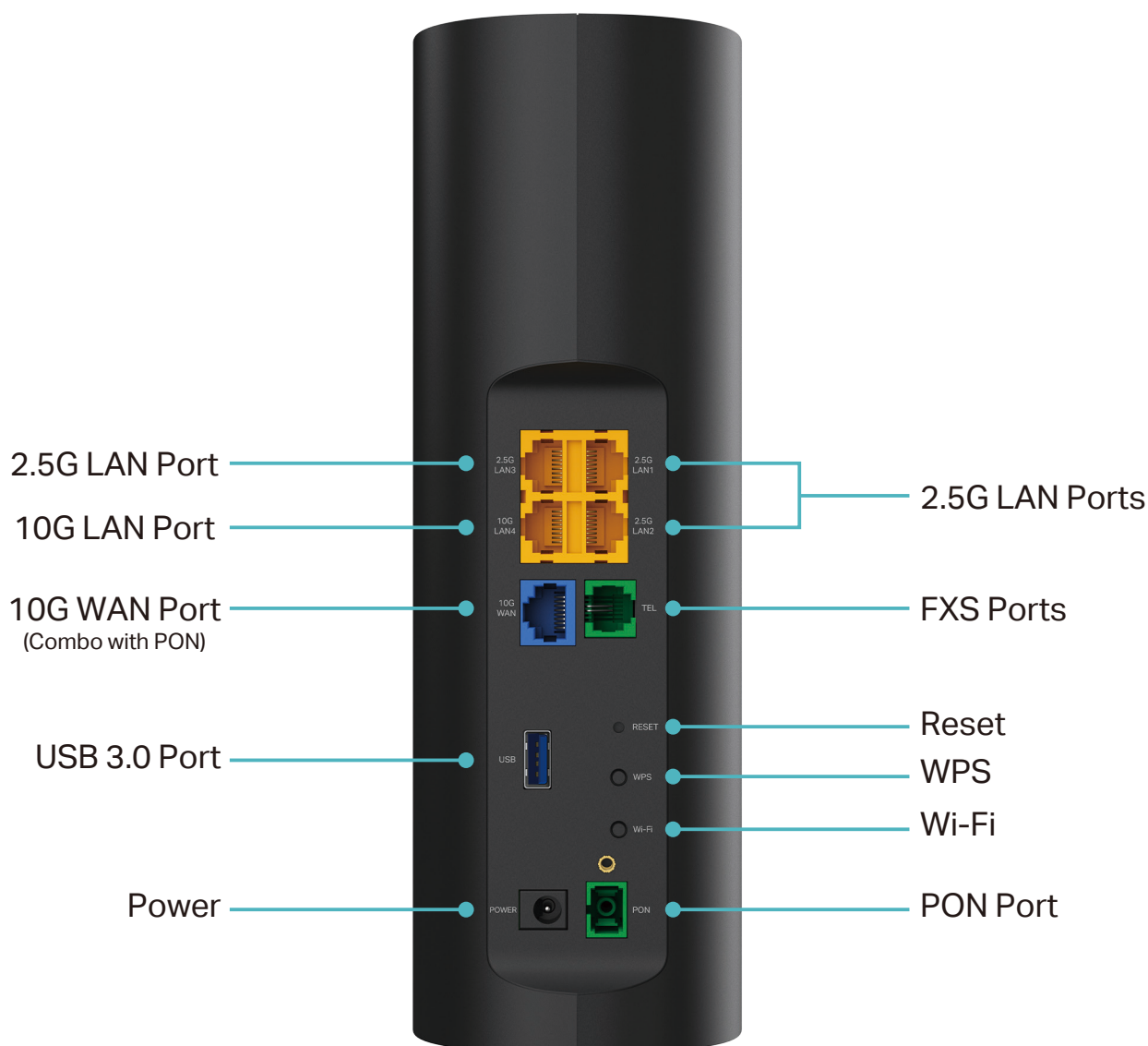
EasyMesh Compatible

Create smart mesh Wi-Fi network to cover every corner of a home with great flexibility based on standard mesh technology.

Network Topology



Hardware Description



Specifications

Hardware

- Interface
 - 1× XGS-PON Port,
 - 1× 10GE WAN (Combo with PON) Port,
 - 1× 10GE LAN Port,
 - 3× 2.5GE LAN Ports,
 - 1× FXS Ports, 1× USB 3.0 Port
- Power Adapter Input
 - 100-240V/50-60Hz
- Power Adapter Output
 - 12V/4.5A
- Button
 - WPS/Wi-Fi Button, Reset Button,
 - Power On/Off Button
- Dimensions (W * D * H)
 - 7.8 × 3.1 × 9.4 in (198 × 80 × 238.2 mm)

Software

- Protocols
 - Supports IPv4 and IPv6
- Working Mode
 - Router
- Multi-SSID
 - Up to 3 SSIDs for each band
- Management
 - Local Management, Remote Management, TR-069(TR-098), TR-143, TR-369(TAUC)
- DHCP
 - Server, Client
- Firewall Security
 - SPI Firewall, DDoS, Access Control, IP-MAC binding
- WAN Connection Type
 - Dynamic IP/Static IP/PPPoE
- IGMP
 - Support IPTV, IGMPV2/3 and IGMP Snooping/Proxy
- Routing
 - Static Routing, RIP
- NAT Forwarding
 - ALG, Virtual Server, Port Triggering, DMZ, UPnP
- DDNS
 - NO-IP, DynDNS
- Quality of Service
 - WMM
- Parental Control
- Wi-Fi Schedule
- Ookla Speedtest

General Specifications

- XGS-PON
 - ITU-T G.9807.1, ITU-T G.988, Class E1
- Data Rate
 - 10Gbps downstream/10Gbps upstream
- Wavelength
 - 1577nm downstream/1270nm upstream
- Transmitter
 - DFB Laser
- Receiver
 - PIN-TIA
- Distance
 - 0 ~ 20Km Max

Wireless

- Wireless Standards
 - IEEE 802.11ax/be (6 GHz),
 - IEEE 802.11a/n/ac/ax/be (5 GHz),
 - IEEE 802.11b/g/n/ax/be (2.4 GHz)
- Frequency
 - 6GHz (band5/band6/band7/band8) /
 - 2.4 GHz / 5 GHz(band1/band2/band3/band4)
- Signal Rate
 - 11520 Mbps at 6 GHz,
 - 5760 Mbps at 5 GHz,
 - 1376 Mbps at 2.4 GHz
- Wireless Security
 - WPA/WPA2/WPA3-PSK

Others

- Certification
 - CE, FCC, RoHS
- Environment
 - Operating Temperature: 0°C~40°C (32°F~104°F),
 - Storage Temperature: -40°C~60°C (-40°F ~ 140°F)
 - Operating Humidity: 10%~90% non-condensing
 - Storage Humidity: 5%~90% non-condensing
- Package Contents
 - BE19000 Tri-Band Wi-Fi 7 XGS-PON Router XGB835v
 - 1× RJ45 Ethernet Cable
 - 1× Power Adapter
 - 1× Quick Installation Guide
 - 1× GPL Statement
 - 1× Fiber Lock