tp-link | Aginet



TP-LinkBox 7 Pro Fiber

MODEL: TP-LinkBox 7 Pro Fiber

Overview

TP-LinkBox 7 Pro Fiber is a premium Fiber dual-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 2.5G WAN port for direct Ethernet internet access and multiple multi-gig ports for fast and reliable wired connection. Perfect for FTTH deployment and a fully connected home.

BE7200 Dual-Band Wi-Fi

Deliver total Wi-Fi speeds up to 7.2 Gbps across 5 GHz and 2.4 GHz bands for even faster speeds, lower latency, and better online experience.

HD Telephony

Make or receive phone calls over the internet simply by connecting the device to the existing telephone set with an integrated DECT base for high quality communication.

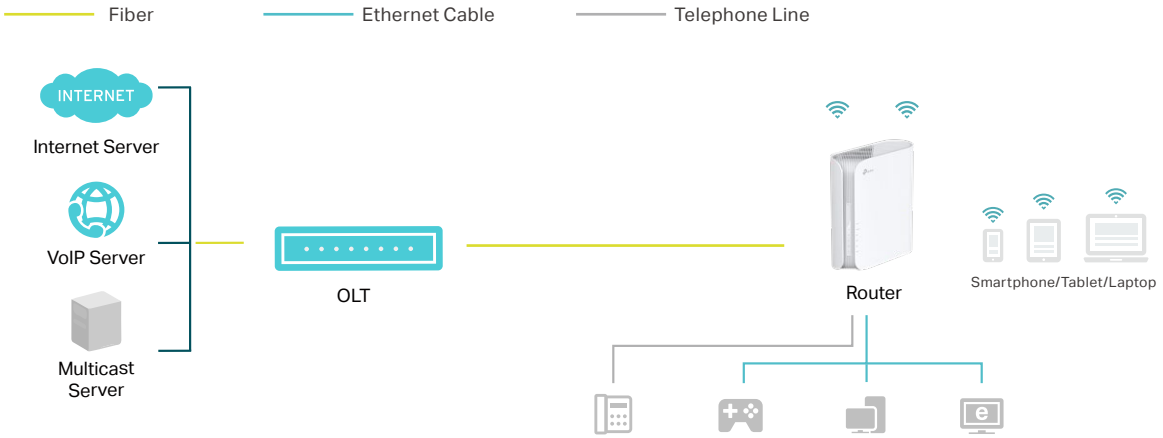
Multi-Gig Wired Connection

Offering multiple access methods including GPON, AON, and 2.5GE Ethernet, providing flexible and high-speed wired access support.

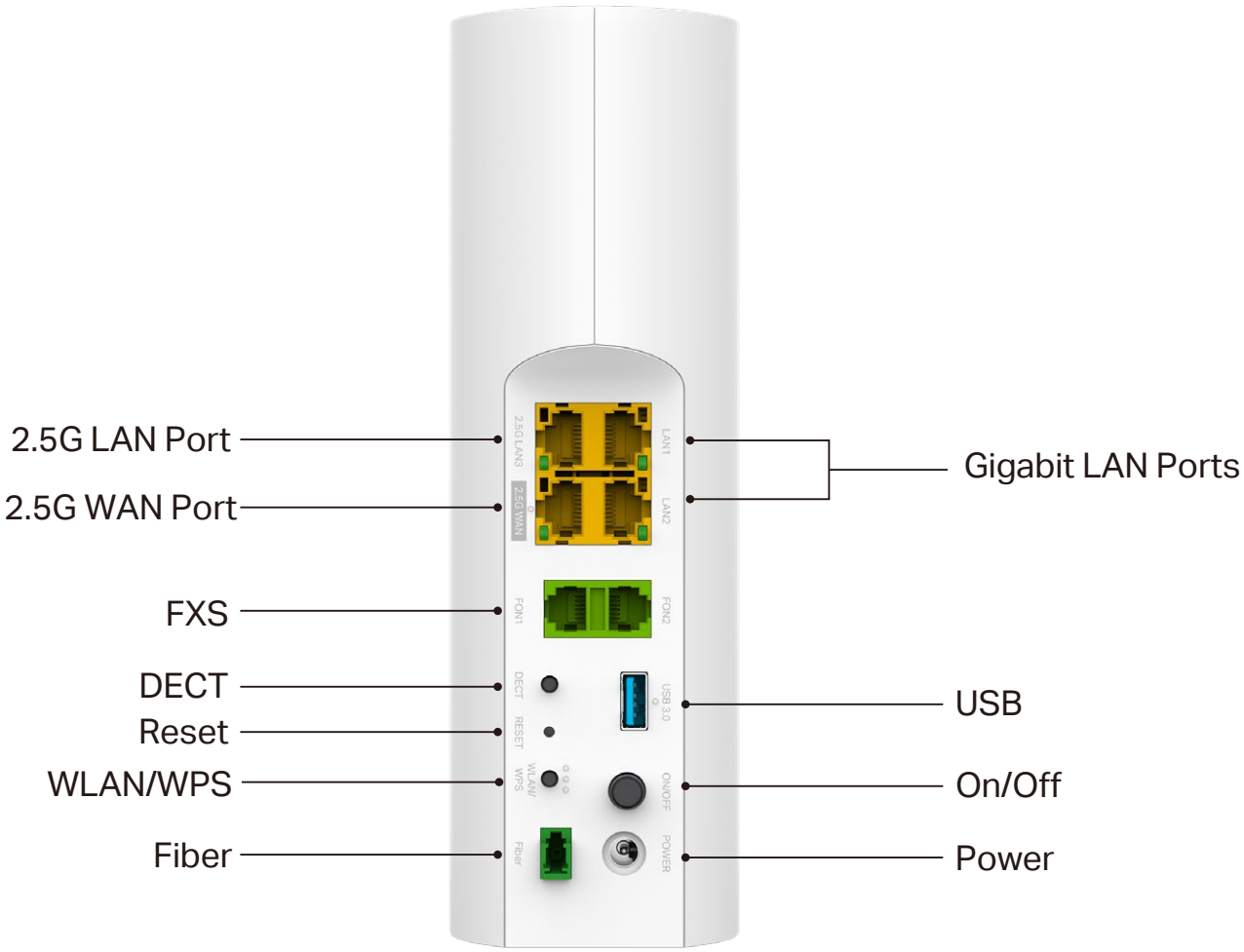
Easy Remote Management

TR-069 and TR-369 protocols, Tether app, and TAUC (TP-Link Aginet Unified Cloud) are supported, service providers can manage multiple devices remotely.

Network Topology



Hardware Description



Specifications

Hardware

- Interface

  1× LC/APC GPON/AON Port,
  1× 10/100/1000/2500 Mbps WAN Port,combo with Fiber port
  1× 10/100/1000/2500 Mbps LAN Port,
  2× 10/100/1000 Mbps LAN Ports,
  2× FXS Ports
  1× USB 3.0 Port

- Power Adapter Input

  100-240V/50-60Hz

- Power Adapter Output

  12V/2.5A

- Button

  WPS/Wi-Fi Button, Reset Button, Power On/Off Button, DECT Button

- Dimensions (W * D * H)

  7.44 × 2.76 × 8.58 in. (189 × 70 × 218 mm)

Wireless

- Wireless Standards

  IEEE 802.11a/n/ac/ax/be 5 GHz, IEEE 802.11b/g/n/ax/be 2.4 GHz

- Mesh Protocol

  802.11k/v/r

- Frequency

  2.4 GHz and 5 GHz

- Signal Rate

  5764 Mbps at 5 GHz, 1376 Mbps at 2.4 GHz

- Transmit Power

  CE: <20dBm (2.4GHz); <23dBm (5.15GHz~5.35GHz); <30dBm (5.47GHz~5.725GHz)

- Wireless Security

  WPA/WPA2/WPA3-PSK

- Wireless Function

  Enable/Disable Wireless Radio, WMM, Air Time Fairness, Wireless Statistics

- Wireless Schedule

  Support 2.4 GHz and 5 GHz wireless schedule

Others

- System Requirements

  Microsoft Windows 98SE, NT, 2000, XP, Vista™ or Windows 7, 8, 8.1,10, MAC OS, NetWare, UNIX or Linux Internet Explorer 11, Firefox 12.0, Chrome 20.0, Safari 4.0 browers or higher.

- Certification

  CE, DFS

- 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

General Specifications

- Fiber

  GPON: ITU G.984, Class B+, G.988 series standard
  AON: IEEE 802.3ah standard

- Data Rate

  GPON: 2.488Gbps downstream/1.244Gbps upstream
  AON: 1.0Gbps downstream&upstream

- Wavelength

  GPON&AON: 1490nm downstream/1310nm upstream

- Receiving Sensitivity

  GPON&AON: -27dBm

- Transmitting Power

  GPON: 0.5~5dB
  AON: -4.5~-7.5dB

- Transmitter

  DFB Laser

- Receiver

  PIN-TIA

- Distance

  0 ~ 20Km Max

Software

- DHCP

  DHCP Client, DHCP Server, DHCP Relay, Address Reservation, Condition Pool

- Protocols

  Supports IPv4 and IPv6

- Multi SSID

  Up to 6 SSIDs for each band (including main SSID)

- Features

  VoIP, Parental Control, Firewall, IPSEC VPN, IPv6, Port Forwarding, Address Reservation, QoS(Quality of Service), CWMP, Network Diagnosis, Traffic Statistic, Cloud upgrade, 4096-QAM, MU-MIMO, OFDMA, EasyMesh

- Management

  Local management: WebGUI management, Tether app management
  Remote management: TR-069, TR-098, TR-181, TR-369, TR-111,TR-143, Aginet ACS
  Cloud management: TAUC

- Security

  IPv4/IPv6 SPI Firewall, DDoS, Service Filtering, Access Control, IP&MAC Binding

- VPN

  PPTP VPN, IPSec VPN, Open VPN, Wireguard VPN

- USB Functions

  Samba, FTP, Media Server, 3G/4G Backup, SFTP, HTTP, HTTPS

- NAT Forwarding

  ALG, Virtual Server, Port Trigger, DMZ, uPnP

- Dynamic DNS

  NO-IP, DynDNS, TP-Link DDNS

- VoIP

  SIP, up to 10 Accounts, Call Logs, Call Rules, DND & Call Blocking, Call Forwarding, Voice Mail, T.38

- Dect

  Up to 6 cordless phones