

TP-LinkBox 7



Overview

TP-LinkBox 7 is a high-performance dual-band Wi-Fi 7 (802.11be) DSL modem router with multiple connection options. The modem router delivers multi-gigabit speeds to the door by taking full advantage of the bandwidth potential of existing copper cables. Perfect for FTTX deployment and a fully connected home.



Super VDSL

The latest Super VDSL (VDSL2 Profile 35b) tech delivers internet speeds of up to 350 Mbps, while G.vector technology ensures advanced data transmission stability.



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.



BE3600 Dual Band Wi-Fi

Delivers total Wi-Fi speeds up to 3.6 Gbps (2880 Mbps on 5 GHz, 688 Mbps on 2.4 GHz) based on 802.11be Wi-Fi technology.



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.

Features



Versatile Connectivity

Fully compatible with VDSL2/ADSL2+/ADSL2/ADSL standards, and cable connections through the Ethernet ports, and 3G/4G internet services through the USB port.



Standard Mesh Technology

TP-LinkBox 7 adopts standard EasyMesh technology. All compatible units can work together to form a mesh network to cover every corner of the home.



Efficient Wi-Fi for Every Device

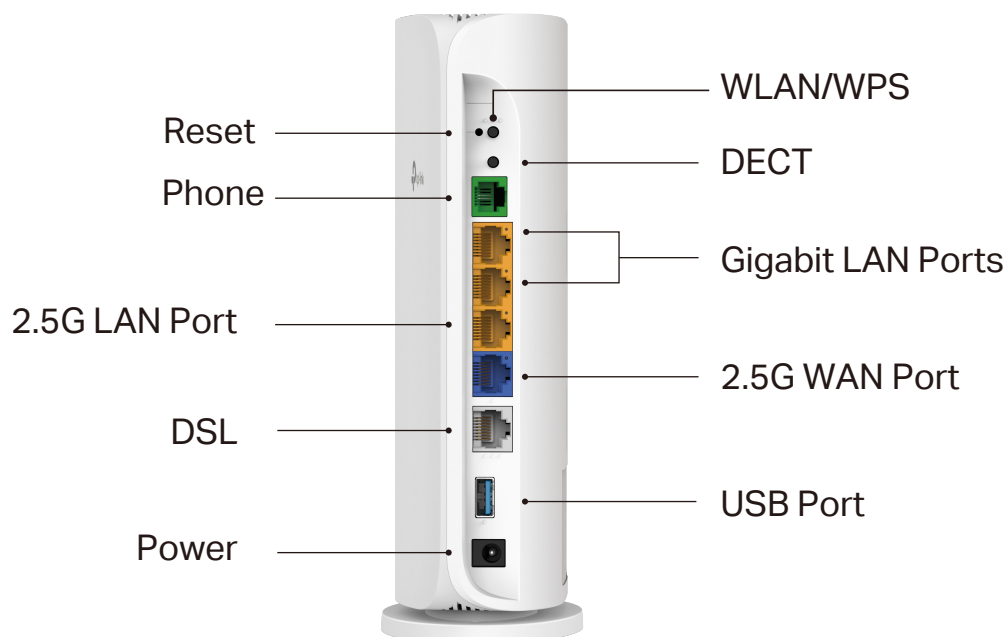
MU-MIMO technology serves multiple devices at once. No more bandwidth congestion or latency. All devices get their data faster and Wi-Fi is used more efficiently.



Far-Reaching Wi-Fi Coverage

BSS Coloring technology ensure smooth and stable connections by eliminating signal interference probably from your neighbors, while Beamforming delivers stronger and far-reaching network.

Hardware Description



Specifications

Hardware

- **Interface**
1× DSL Port, 1× USB 3.0 Port, 1× FXS Port,
1× 10/100/1000/2500 Mbps WAN Port,
1× 10/100/1000/2500 Mbps LAN Port,
2× 10/100/1000 Mbps LAN Ports
- **Antenna**
Internal Antennas
- **External Power Supply**
12V/2.0A
- **Dimensions (W * D * H)**
7.4 x 2.7 x 8.6 in (189 x 70 x 218 mm)
- **Button**
Reset Button, WLAN/WPS Button , DECT Button
- **IEEE Standards**
IEEE 802.3, IEEE 802.3u, 802.3ab
- **VDSL2 Standards**
ITU G.993.2, Up to 35b profile, ITU-T G.993.5 (G.vector)
ITU-T G.998.4 (G.INP)
- **ADSL2+ Standards**
ITU-T G.992.5
- **ADSL2 Standards**
ITU-T G.992.3 (G.DMT.bis), ITU-T G.992.4 (G.lite.bis)
- **ADSL Standards**
Full-rate ANSI T1.413 Issue 2, ITU-T G.992.1(G.DMT),
ITU-T G.992.2(G.Lite), ITU-T G.994.1 (G.hs),
ITU-T G.995.1

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**
2880 Mbps at 5 GHz, 688 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, MAC Filtering
- **Wireless Schedule**
Support 2.4 GHz and 5 GHz wireless schedule

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, 1024-QAM, MU-MIMO,
OFDMA, EasyMesh, Wireguard VPN, OpenVPN
- **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

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 browsers 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
- **Package Contents**
TP-LinkBox 7
1× RJ45 Ethernet Cable
1× RJ45 to TAE Cable
1× RJ11 to TAE Adapter
1× Power Adapter
1× Quick Installation Guide