

# Wi-Fi 6 Internet Box 6

MODEL: VX800v



## Overview

VX800v is a high-performance dual-band Wi-Fi 6 (802.11ax) 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.



### Ultra-fast DSL Speeds

Supports the G.fast 212a profile to deliver close to 2 Gbps of speed over the existing copper cables.



### Versatile Connectivity

Fully compatible with DSL/G.fast connections, Ethernet access, SFP connections, and 3G/4G USB modems to always stay connected.



### AX6000 Dual-Band Wi-Fi

Delivers total Wi-Fi speeds up to 6 Gbps (4804 Mbps on 5 GHz, 1148 Mbps on 2.4 GHz) based on 802.11ax Wi-Fi technology.



### Easy Remote Management

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

## Features



### Super VDSL—Next-Generation VDSL

VDSL (VDSL2 Profile 35b) is the latest generation of DSL technology. Featuring an increased downstream of up to 350 Mbps, it is 3.5× faster than its VDSL2 predecessor. Compatible with the leading ISPs, ideal for IP-based connections.



### G.fast—Ultra-Fast DSL Broadband

Take full advantage of the bandwidth potential of existing copper cables. Delivers multi-gig speeds within 200 meters of the last mile.



### Standard Mesh Technology

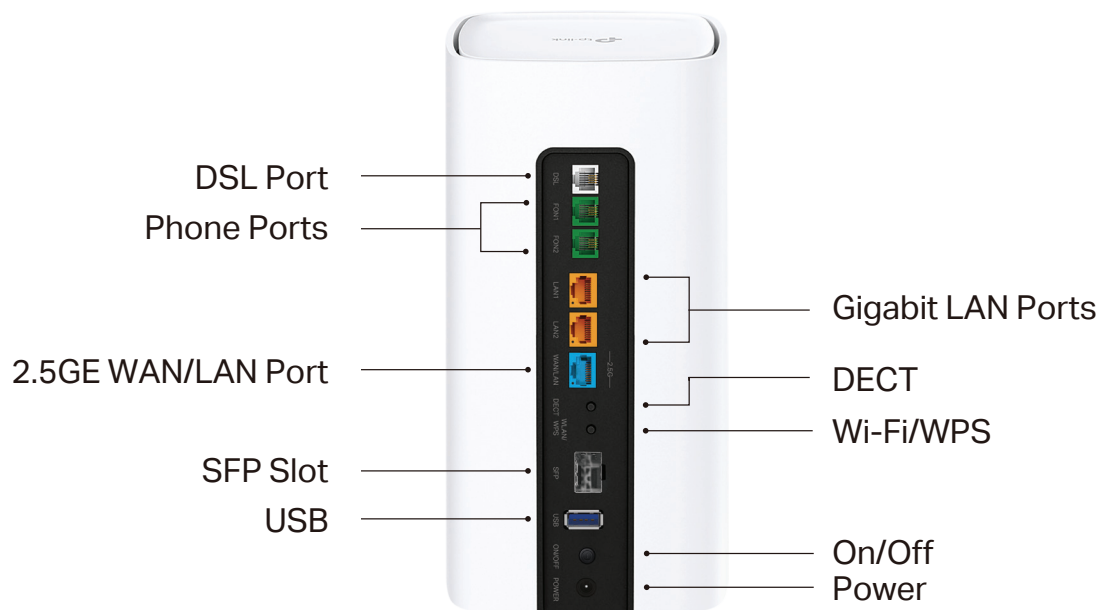
VX800v adopts standard EasyMesh technology. All compatible units can work together to form a mesh network to cover every corner of a home.



### High-Quality Telephony

Make your phone calls via a high-performance telephony system. Connect up to six DECT handsets with an HD-quality voice signal, as well as two analog phones with voicemail storage and various call features.

## Hardware Overview



# Specifications

## Hardware

- **Interface**  
2× 10/100/1000 Mbps RJ45 LAN Ports,  
1× 10/100/1000/2500 Mbps RJ45 WAN/LAN Port,  
1× DSL Port, 1× SFP Slot, 2× FXS Ports, 1× USB 3.0 Port
- **Antenna**  
Internal Antennas
- **External Power Supply**  
12V/2.5A
- **Dimensions ((W × D × H))**  
4.5 × 4.5 × 9.1 in (115 × 115 × 230 mm)
- **Button**  
Power On/Off Button, Reset Button,  
WPS/Wi-Fi Button, DECT Button
- **IEEE Standards**  
IEEE 802.3, IEEE 802.3u, 802.3ab
- **G.fast Standards**  
ITU-T G.9700, ITU-T G.9701, ITU-T G.994.1, ITU-T G.997.2
- **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 5 GHz, IEEE 802.11b/g/n/ax 2.4 GHz
- **Mesh Protocol**  
802.11k/v/r
- **Frequency**  
2.4 GHz and 5 GHz
- **Signal Rate**  
4804 Mbps on 5 GHz, 1148 Mbps on 2.4 GHz
- **Transmit Power**  
CE: <20 dBm (2.4 GHz); <23 dBm (5.15 GHz–5.35 GHz);  
<30 dBm (5.47 GHz–5.725 GHz)
- **Wireless Security**  
64/128bit WEP, WPA/WPA2/WPA3-PSK
- **Wireless Function**  
Enable/Disable Wireless Radio, WMM, Air Time Fairness,  
Wireless Statistics, MAC Filtering
- **Wireless Schedule**  
Supports 2.4 GHz and 5 GHz wireless schedules

## Software

- **DHCP**  
DHCP Client, DHCP Server, DHCP Relay, Address Reservation, Condition Pool
- **Protocols**  
Supports IPv4 and IPv6
- **Multi-SSID**  
Up to 3 SSIDs on each band (including main SSID)
- **Features**  
VoIP, Parental Controls, Firewall, IPSEC VPN, IPv6, Port Forwarding,  
NAT Forwarding, Address Reservation, QoS (Quality of Service), CWMP,  
Network Diagnosis, Traffic Statistics Cloud upgrade, 1024-QAM,  
MU-MIMO, OFDMA, EasyMesh
- **Management**  
Local management: WebGUI management, Aginet 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, IPsec, OpenVPN
- **USB Functions**  
Samba, FTP, Media Server, 3G/4G Backup
- **NAT Forwarding**  
ALG, Virtual Server, Port Trigger, DMZ, uPnP
- **Dynamic DNS**  
NO-IP, DynDNS,
- **VoIP**  
SIP, up to 8 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**  
1× Wi-Fi 6 Internet Box 6 VX800v  
1× RJ45 Ethernet Cable  
1× Power Adapter  
1× RJ11 Cable  
1× Quick Installation Guide