




AX1800 Dual-Band Wi-Fi 6 VDSL/ADSL Modem Router

Empower Your Devices with
Wi-Fi 6





Archer VX1800v

 **Versatile Connectivity**
VDSL/ADSL/Fiber/Cable compatible

 **Faster Wi-Fi 6 Speeds**
1201 Mbps on 5 GHz + 574 Mbps on 2.4 GHz¹

 **Connect More, Stay Fast**
Larger capacity and higher throughput with MU-MIMO and OFDMA¹

 **Full Gigabit Ports**
Take full advantage of broadband speeds of up to 1 Gbps

 **VoIP Calls Supported**
Supports multiple VoIP accounts and various call features

Highlights

Wi-Fi 6 Empower Your Devices with Wi-Fi 6



Faster Wi-Fi 6 Speeds

Stream and game with lightning-fast speeds up to 1.8 Gbps (1201 Mbps on the 5 GHz band and 574 Mbps on the 2.4 GHz band) for truly outstanding online experiences.[†]



Connect Numerous Devices

OFDMA and MU-MIMO transmit data to multiple devices simultaneously, drastically reducing lag and allowing more applications to run at the same time.[‡]



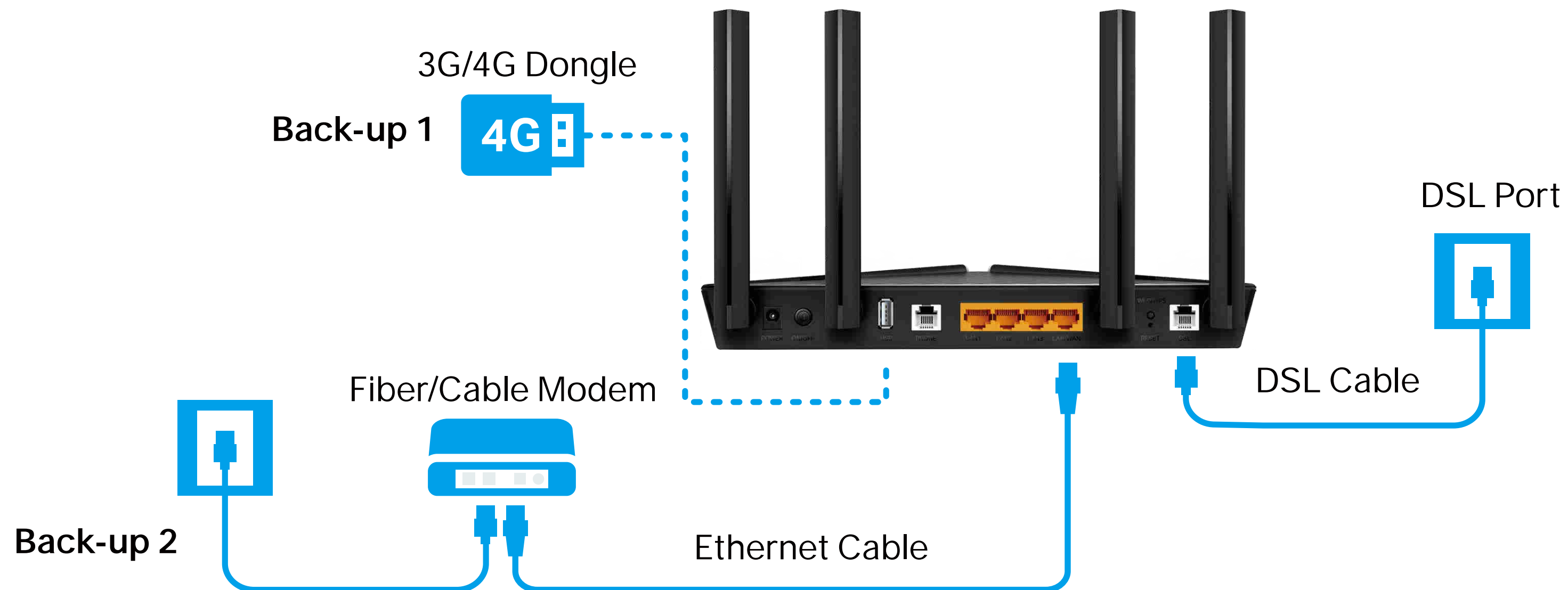
Backwards Compatible

Take your Wi-Fi to the next level while being backwards compatible with 802.11a/b/g/n/ac Wi-Fi standards.

Highlights

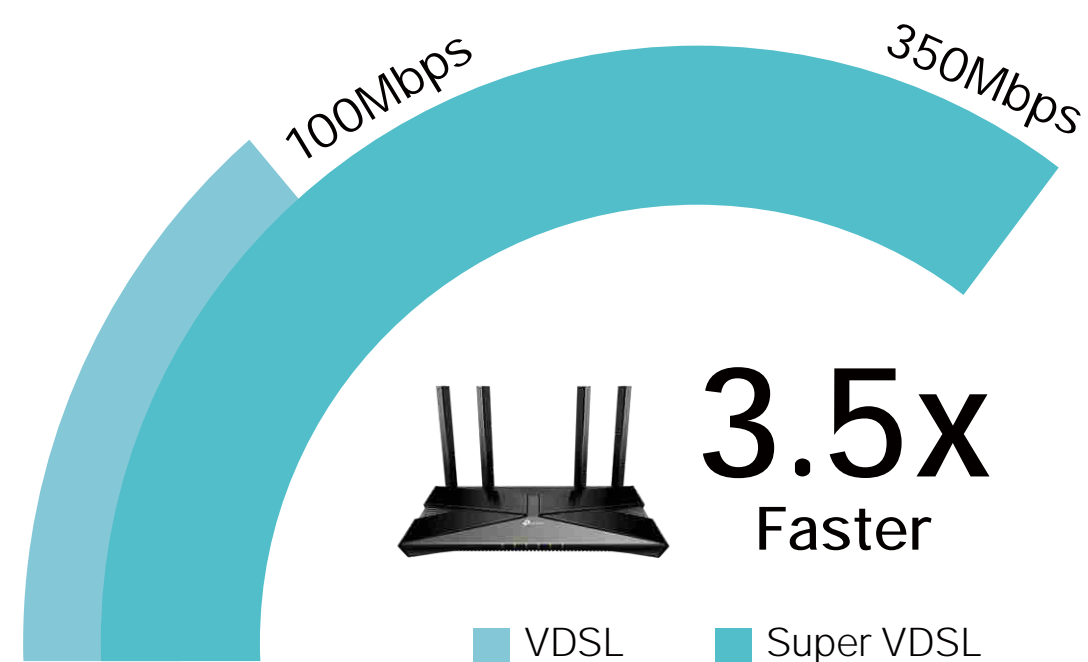
Versatile Connectivity

Archer VX1800v is compatible with Super VDSL (VDSL2 Profile 35b), Ethernet access, and 3G/4G USB modems. Its Gigabit LAN/WAN port accepts connections from cable or fiber modems, and the USB 2.0 port supports 3G/4G dongles for a solid main or backup internet connection.



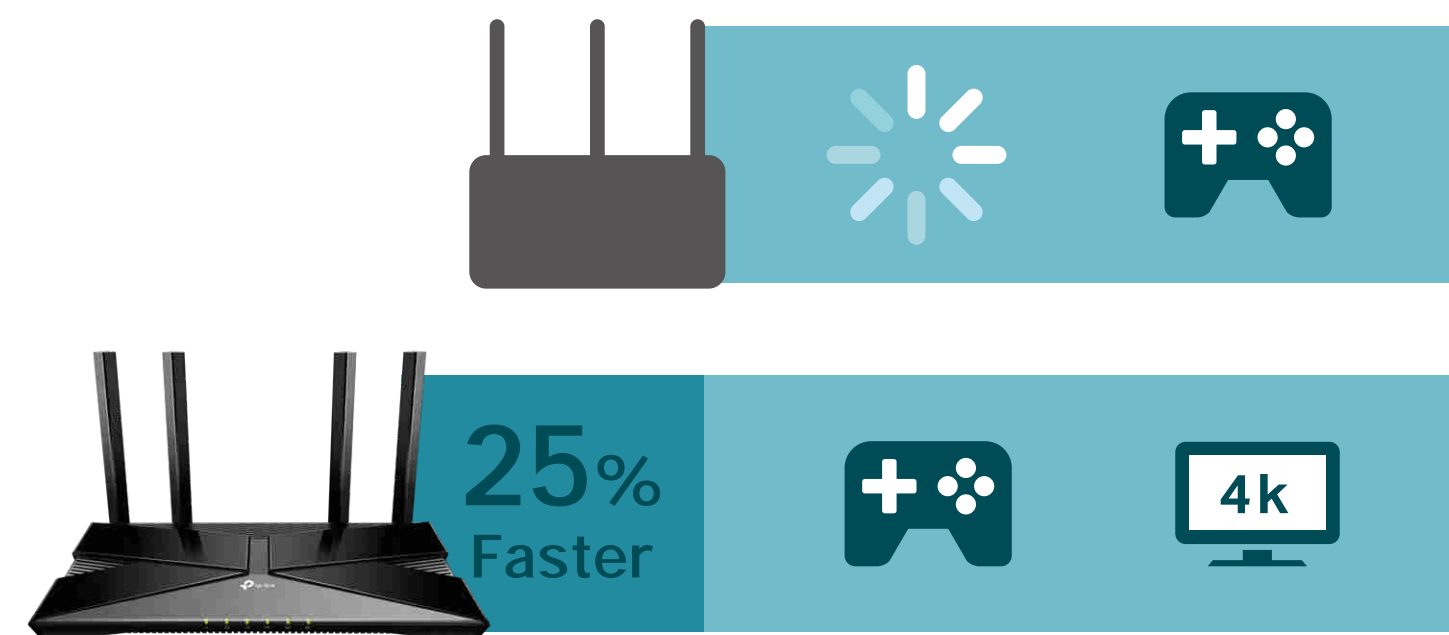
Highlights

Super VDSL Technology



Archer VX1800v features super VDSL (VDSL2 Profile 35b), the latest generation of DSL technology. Downstream is increased up to 350 Mbps, 3.5× faster than its VDSL2 predecessor.[§]

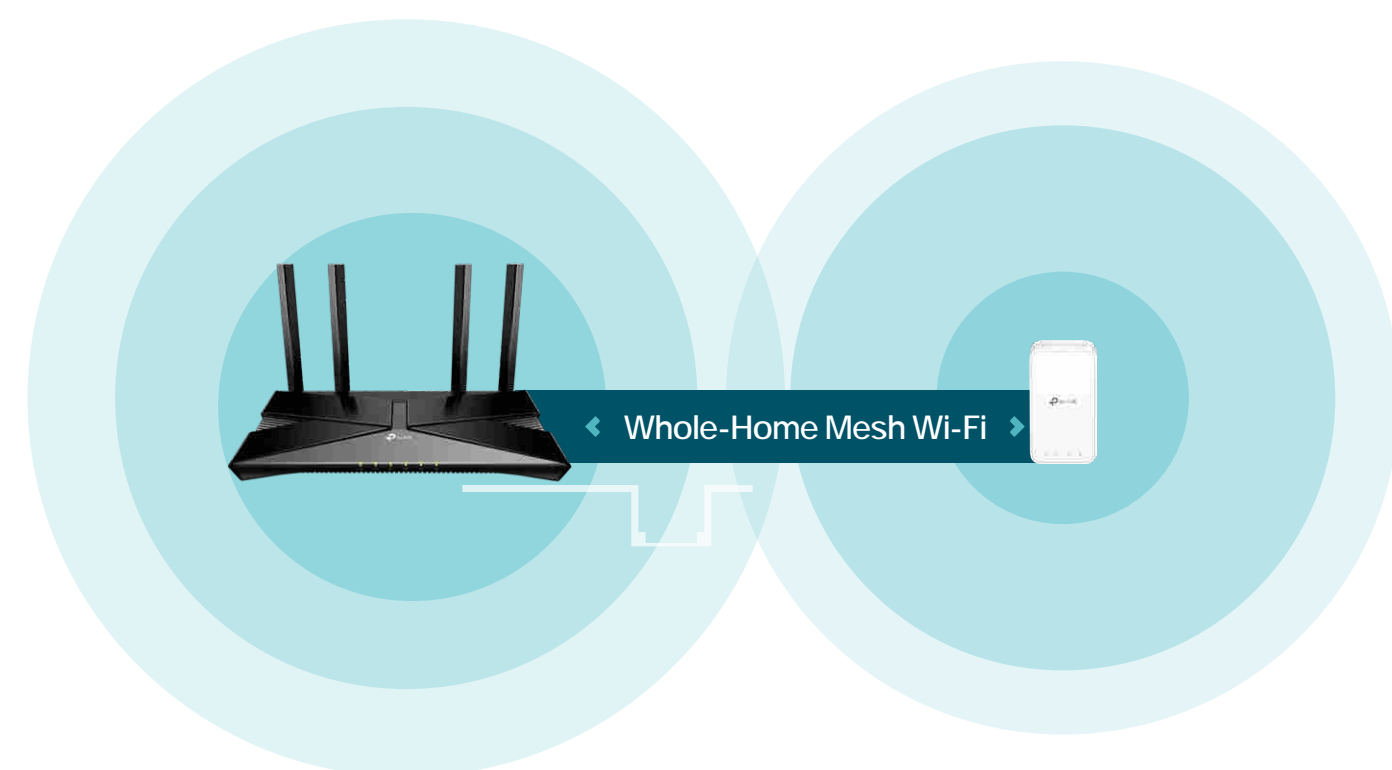
1024-QAM Technology



The 5 GHz band is enhanced with Wi-Fi 6's 1024-QAM technology, improving encoding efficiency and boosting Wi-Fi speeds by 25% to bring your Wi-Fi to a next level.[‡]

Highlights

Flexible Whole Home Wi-Fi



Delivers broader coverage with four high-performance antennas and Beamforming technology. Archer VX1800v is EasyMesh-compatible and can flexibly form a whole-home Mesh Wi-Fi, preventing drops and lag when moving around your home.*

WPA3 Security



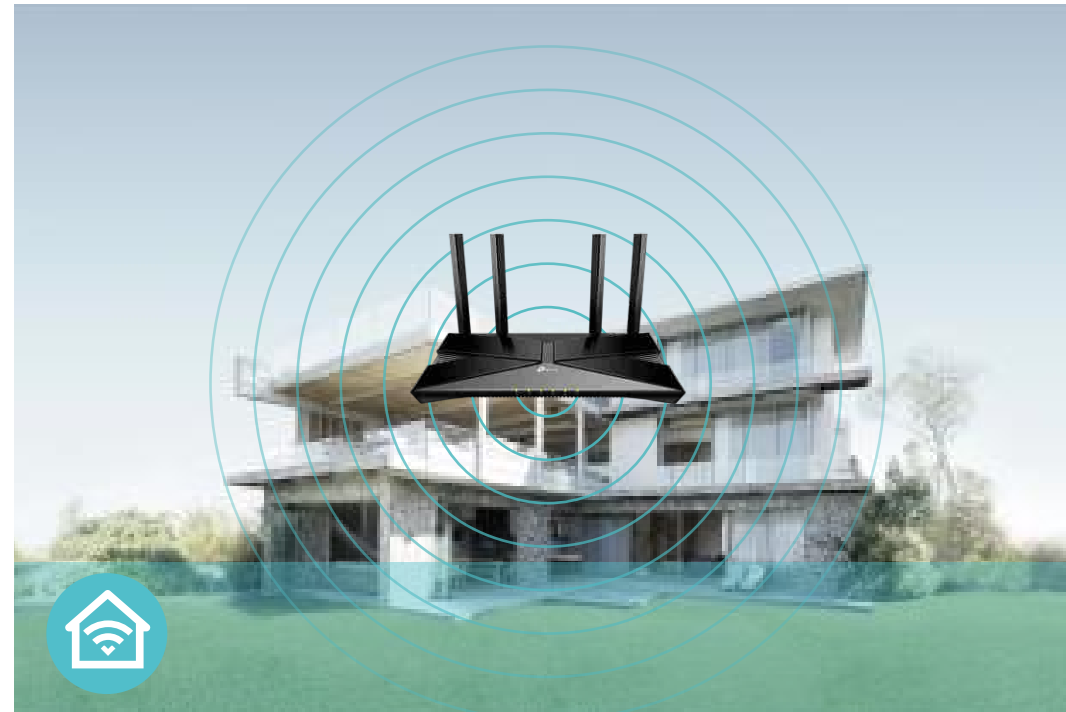
The latest Wi-Fi security protocol, WPA3, brings new capabilities to improve cybersecurity. More secure encryption in Wi-Fi password safety and enhanced protection against brute-force attacks combine to safeguard your home Wi-Fi.**

Features



Speed

- **AX Tech** – 802.11ax (also known as Wi-Fi 6) features advanced technologies including OFDMA and 1024QAM, drastically increasing the speed and efficiency of the entire network
- **Ultimate Wireless Speed** – 574 Mbps on 2.4 GHz (11ax)[†] + 1201 Mbps on 5 GHz (802.11ax)
- **Gigabit Internet Access** – Take full advantages of broadband speeds up to 1 Gbps[^]
- **OFDMA**: Enables the router to simultaneously deliver the data of multiple clients[‡]
- **MU-MIMO**: Serves multiple devices at once with no bandwidth congestion for faster data to all devices[‡]



Wi-Fi Range

- **Ultimate Range Wi-Fi** – Four external antennas deliver a Wi-Fi signal to every corner of your home, making all of your connections more efficient and stable
- **Beamforming Technology** – Concentrates Wi-Fi signals towards individual devices to ensure stronger connections



Reliability

- **VPN Support** – Allows private networking with a safe and secure Open VPN, PPTP VPN, and IPSec VPN connection
- **Airtime Fairness** – Equally divides network time between new devices, such as your gaming rig and older devices to improve your overall Wi-Fi performance and reliability
- **Quality of Service** – Prioritizes devices for optimum performance when needed
- **Mesh Technology**: Compatible with EasyMesh and 802.11k/v are supported*

Features



Ease of Use

- Intuitive Web UI – Ensures quick and simple Installation without hassle
- Fast Encryption – One-touch WPA wireless security encryption with the WPS button
- Hassle-free Management with Tether App – Network management is made easy with the TP-Link Tether App, available on any Android and iOS device
- Multi-SSID: Provides different wireless access for different applications and services
- Multi-Function Software: Parental Controls, QoS, and Guest Network offer safe and effective networking



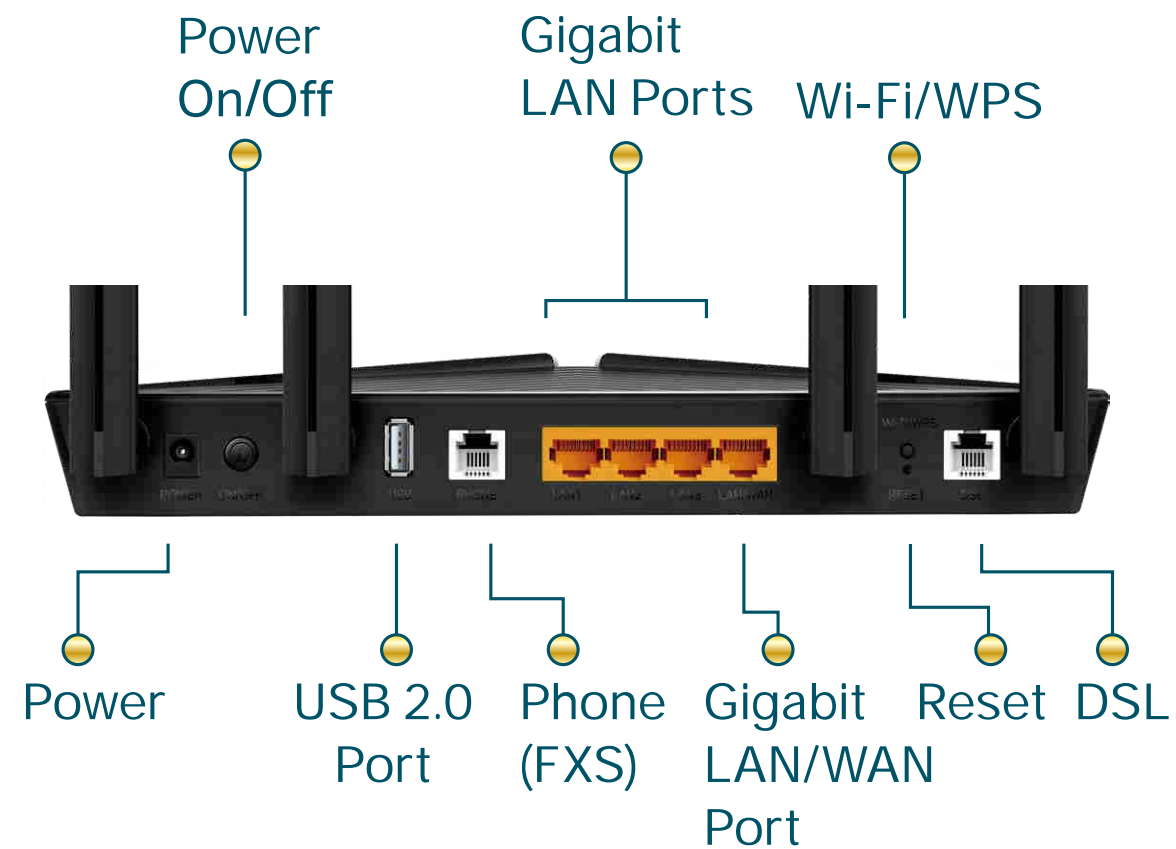
Security

- Guest Network – Provides separate access for guests while securing the home network
- Access Control – Establishes a whitelist or blacklist to allow or restrict certain devices to access the internet
- Parental Controls – Manage when and how devices can access the internet
- WPA3 Security – The latest Wi-Fi security protocol, WPA3, brings new capabilities to improve cybersecurity. More secure encryption in Wi-Fi password safety and enhanced protection against brute-force attacks combine to safeguard your home Wi-Fi.†

Specifications

Hardware

- Ports: 1× Gigabit WAN/LAN + 3× Gigabit LAN + 1× USB 2.0 + 2× RJ11 (1× DSL + 1× FXS)
- Buttons: Wi-Fi/WPS Button; Reset Button
- Antennas: Four External Antennas
- External Power Supply: 12 V/1.5 A
- Dimensions (W x D x H): 10.2 × 5.3 × 1.6 in (260.2 × 135.0 × 41.6 mm)



Wireless

- Wireless: 1201 Mbps (5 GHz, 11ax) + 574 Mbps (2.4 GHz, 11ax)[†]
- Compatibility: VDSL2/VDSL/ADSL2+/ADSL2/ADSL/Fiber/Cable
- Frequency: 2.4 GHz and 5 GHz
- Transmit Power:
CE: <20dBm(2.4 GHz), <23dBm(5.15 GHz~5.25 GHz)
- Reception Sensitivity:
5 GHz:
11a 6Mbps:-95dBm, 11a 54Mbps:-79dBm
11ac VHT20_MCS0:-96dBm, 11ac VHT20_MCS8:-66dBm
11ac VHT40_MCS0:-94dBm, 11ac VHT40_MCS9:-63dBm
11ac VHT80_MCS0:-91dBm, 11ac VHT80_MCS9:-60dBm
11ax HE20_MCS0:-95dBm, 11ax HE20_MCS11:-66dBm
11ax HE40_MCS0:-92dBm, 11ax HE40_MCS11:-65dBm
11ax HE80_MCS0:-89dBm, 11ax HE80_MCS11:-62dBm
2.4 GHz:
11g 6Mbps: -96dBm, 54Mbps: -80dBm
HT20-MCS0: -97dBm, MCS7: -78dBm
HT40-MCS0: -94dBm, MCS7: -75dBm
11AC_VHT20_MCS0:-96.5dBm 11AC_VHT20_MCS9:-77.5dBm
11AC_VHT40_MCS0: -93dbm 11AC_VHT40_MCS9:74.5dBm
11AX_HE20_MCS0:-91dBm 11AX_HE20_MCS11:-66.5dBm
11AX_HE40_MCS0:-88dBm 11AX_HE40_MCS11:-64dBm
- Wireless Function: Enable/Disable Wireless Radio, WMM
- Wireless Security: WPA2-PSK, WPA2-PSK/WPA-PSK, WPA3-Personal, WPA3-Personal/WPA2-PSK, WPA2-Enterprise, WPA/WPA2-Enterprise encryptions

Specifications

Software

- Quality of Service: Device Prioritisation
- WAN Type: Dynamic IP/Static IP/PPPoE/PPTP(Dual Access)/L2TP(Dual Access)
- Management: Access Control, Local Management, Remote Management
- DHCP: Server, DHCP Client List, Address Reservation
- Port Forwarding: Port Forwarding, Port Triggering, UPnP, DMZ
- Dynamic DNS: DynDns, NO-IP, TP-Link
- Access Control: Parental Controls, Local Management Control, Host List, White List, Black List
- Firewall Security: SPI Firewall, IP and MAC Address Binding
- Protocols: IPv4, IPv6
- Guest Network: 2.4 GHz Guest Network, 5 GHz Guest Network



For more information, please visit

https://www.tp-link.com/products/details/?model=Archer+VX1800v_V1

or scan the QR code left

Attention: This device may only be used indoors in all EU member states, EFTA countries, and Northern Ireland.

Attention: This device may only be used indoors in Great Britain.

Specifications are subject to change without notice. All the brands and product names are trademarks or registered trademarks of their respective holders.

¹Maximum wireless signal rates are the physical rates derived from IEEE Standard 802.11 specifications. Actual wireless data throughput, wireless coverage, and connected devices are not guaranteed and will vary as a result of network conditions, client limitations, and environmental factors, including building materials, obstacles, volume and density of traffic, and client location.

⁴Use of Wi-Fi 6 (802.11ax) and its features including OFDMA, MU-MIMO, 1024-QAM require clients to also support the corresponding features.

⁵Maximum wired signal rates are the physical rates. Actual data throughput is not guaranteed and will vary as a result of network conditions, client limitations, and environmental factors.

⁷TP-Link EasyMesh-compatible products can network with other devices that use EasyMesh. Failed connections may be due to firmware conflicts of different vendors. The EasyMesh-Compatible function is still being developed on some models and will be supported in subsequent software updates.

^{**}Use of WPA3 requires clients to support WPA3.

Actual network speed may be limited by the rate of the product's Ethernet WAN or LAN port, the rate supported by the network cable, internet service provider factors and other environmental conditions.

©2023 TP-Link

Others

- Certification:
CE, RoHS
- System Requirements:
Internet Explorer 11+, Firefox 12.0+, Chrome 20.0+, Safari 4.0+, or other JavaScript-enabled browser
Cable or DSL Modem (if needed)
Subscription with an internet service provider (for internet access)
- 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
Wi-Fi 6 VDSL/ADSL Modem Router Archer VX1800v
Power Adapter
RJ45 Ethernet Cable
Quick Installation Guide
RJ11 DSL Cable
External Splitter