tp-link

Wi-Fi 6

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

Empower Your Devices with Wi-Fi 6

V35b **Super VDSL**
Supports 350 Mbps
VDSL Access§

Archer VX1800v

Versatile Connectivity
VDSL/ADSL/Fiber/Cable compatible

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

Connect More, Stay Fast
Larger capacity and higher throughput with MU-MIMO and OFDMA‡

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.[‡]
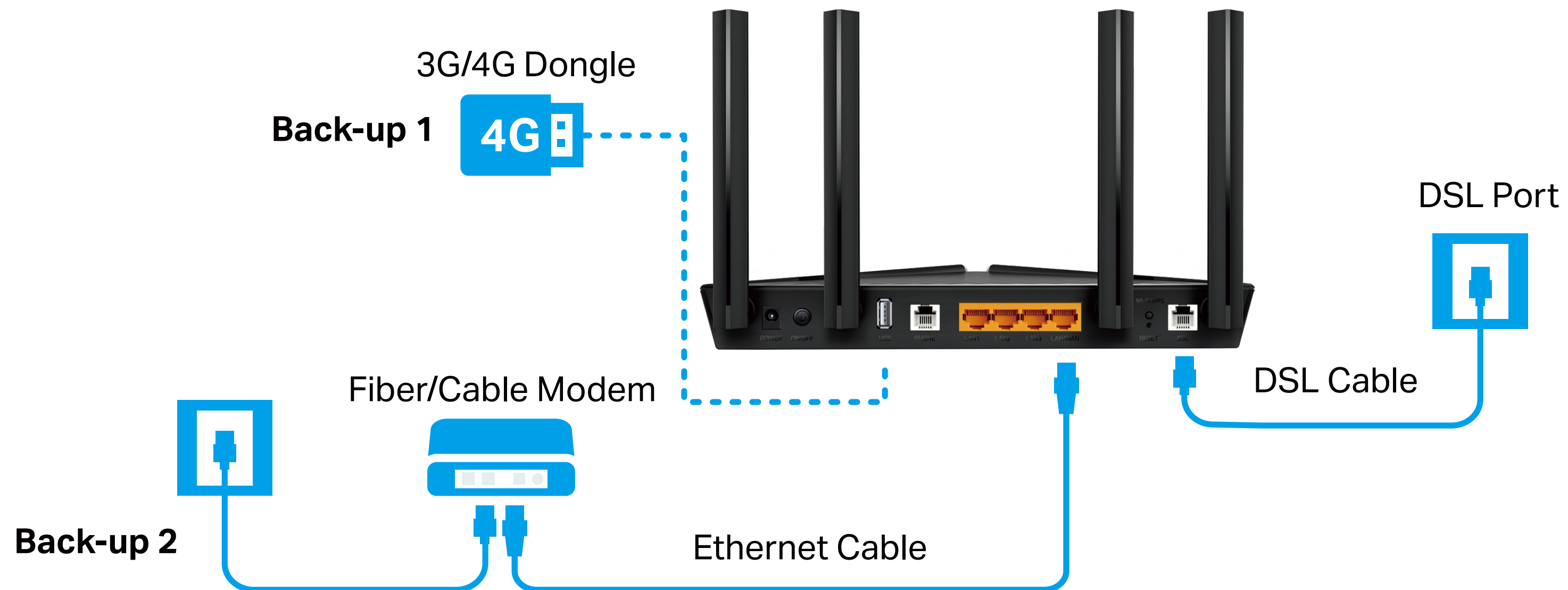
Backwards Compatible

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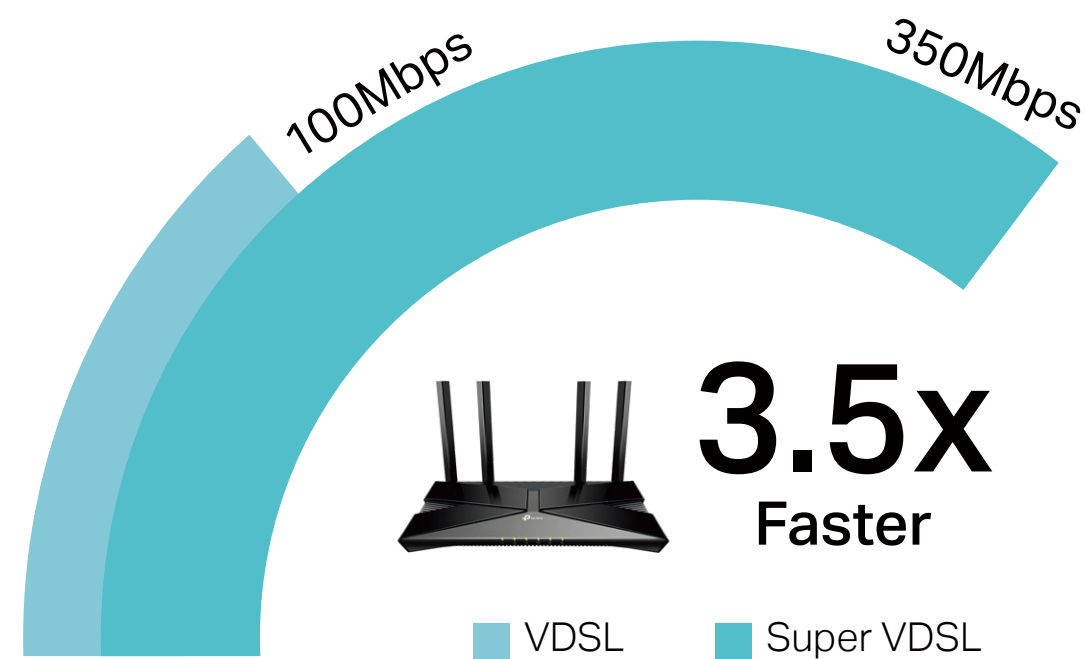
Highlights

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.
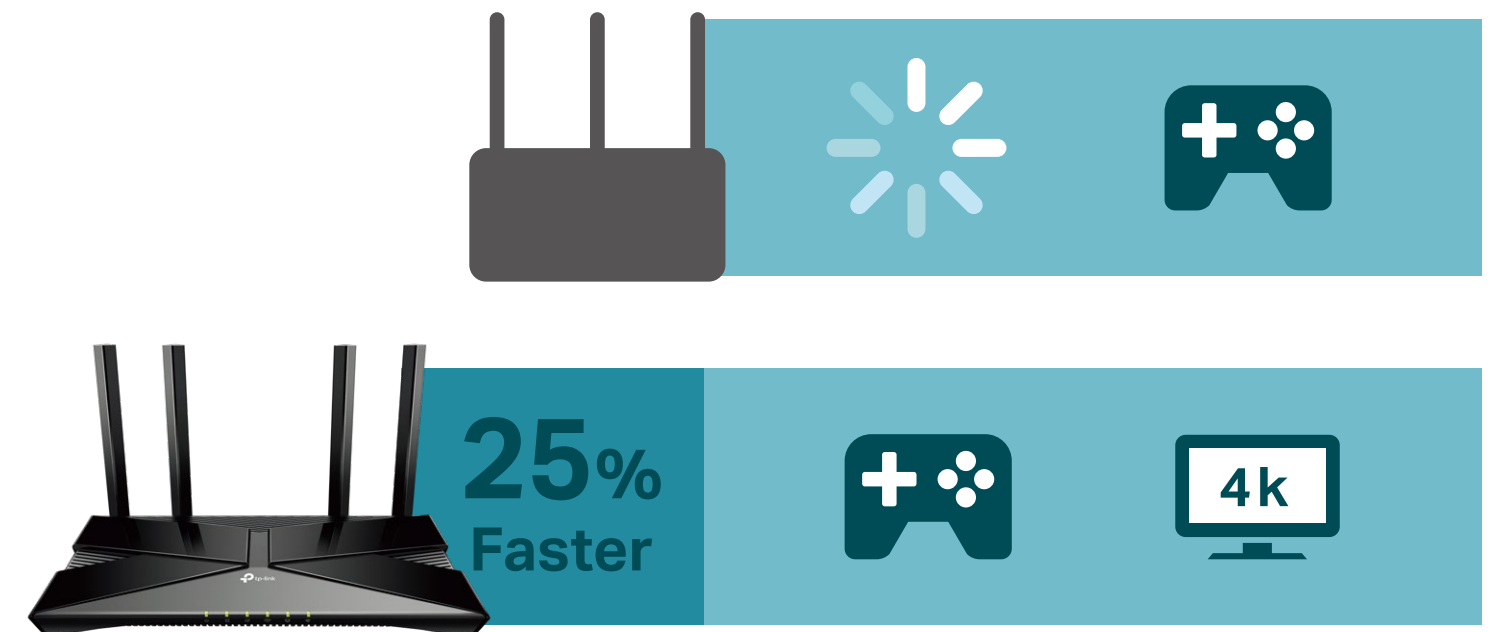
3G/4G Dongle

Back-up 1

4G

DSL Port

Fiber/Cable Modem

DSL Cable

Back-up 2

Ethernet Cable

Highlights

Super VDSL Technology

100Mbps 350Mbps

3.5x
Faster

VDSL Super VDSL

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

25%
Faster

4k

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

Whole-Home Mesh 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.*
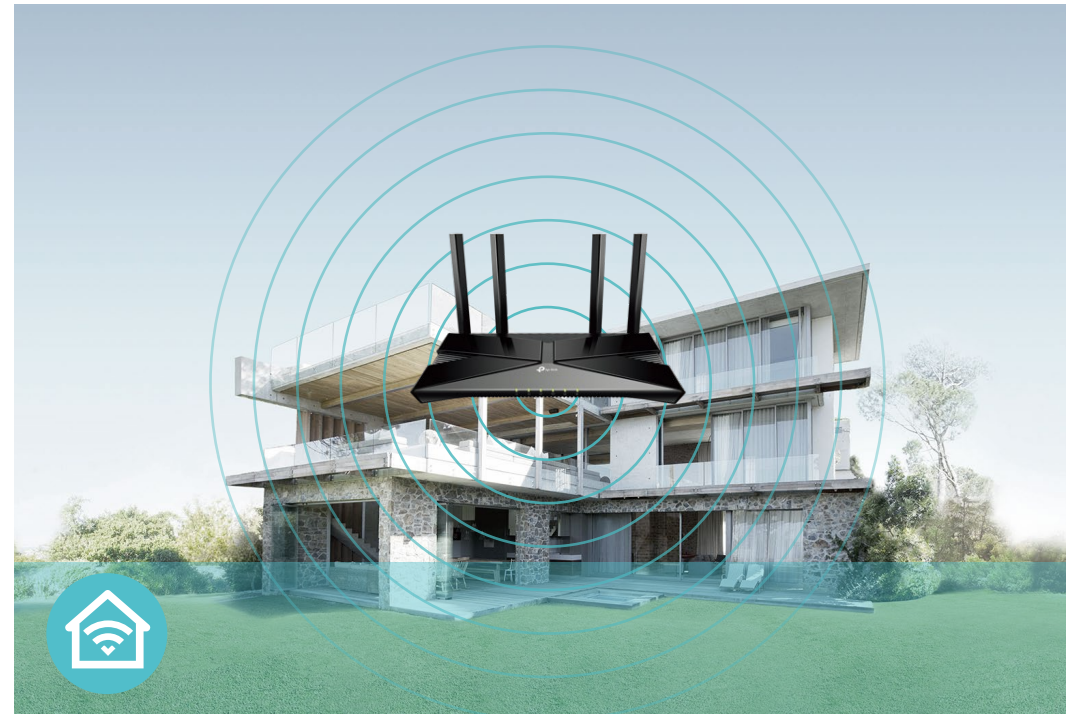
WPA3 Security

WPA3

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

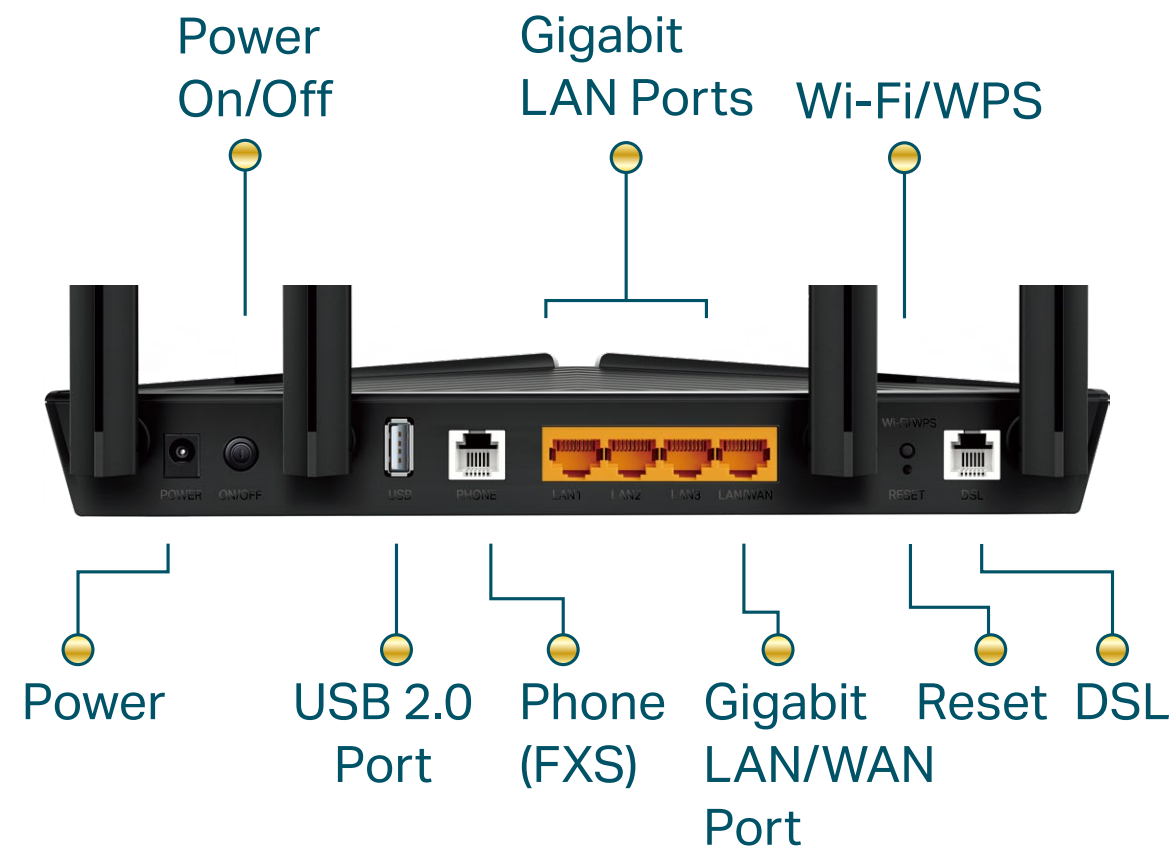· Multi-Function Software: Parental Controls, QoS, and Guest Network offer safe and effective networking

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)

Power On/Off Gigabit LAN Ports Wi-Fi/WPS

Power USB 2.0 Port Phone (FXS) Gigabit LAN/WAN Port Reset DSL

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

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

For more information, please visit

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

or scan the QR code left