TP-Link TD-W9970 Wireless Router Specification and Datasheet

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TP-Link TD-W9970 Wireless Router

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- 300 Mbps Wireless Speed

- USB 2.0 Port for 3G/4G Backup Connection
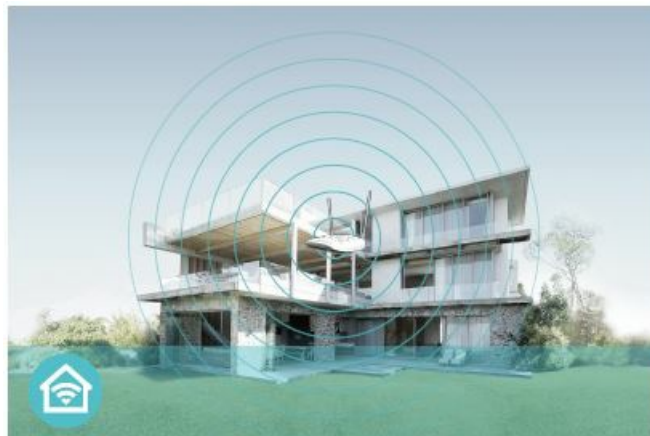
Features

Speed

- **Ultimate Wireless Speed** – Up to 300 Mbps makes it ideal for heavy bandwidth-consuming or interruption-sensitive applications like online gaming, Internet calls, and even the HD video streaming
- **High-Speed VDSL** – VDSL Broadband Access of up to 100 Mbps speeds ensures your home internet needs are met

Wi-Fi Range

- **Expansive Coverage** – 300 Mbps Wi-Fi allows stable speed for wireless activities, such as streaming, surfing, browsing and posting social media
- **High-gain Antennas** – Two 4 dBi high-gain antennas expand network coverage across your home

Reliability

Easy Bandwidth Management – Assigns your preferred devices with more bandwidth

Easy Management

- **Intuitive Web UI** – Ensures quick and simple installation without hassle
- **Hassle-free Management with Tether App** – Network management is made easy with the TP-Link Tether App, available on any Android or iOS device
- **Remote Management with TP-Link ID** – Manage your home network from your smartphone or tablet via a single TP-Link ID, no matter where you find yourself

Security

- **Guest Network** – Provides separate access for guests while securing the home network
- **Parental Controls** – Manage responsible internet access for your children
- **Encryptions for Secure Network** – WPA-PSK/WPA2-PSK encryptions provide active protection against security threats
- **VPN Support** – Secure access to your home or office network from remote devices
- **Firewall** – Supports Firewall & Dos Protection, Service Filtering, Access Control, IP & MAC Binding, IPv6 Firewall
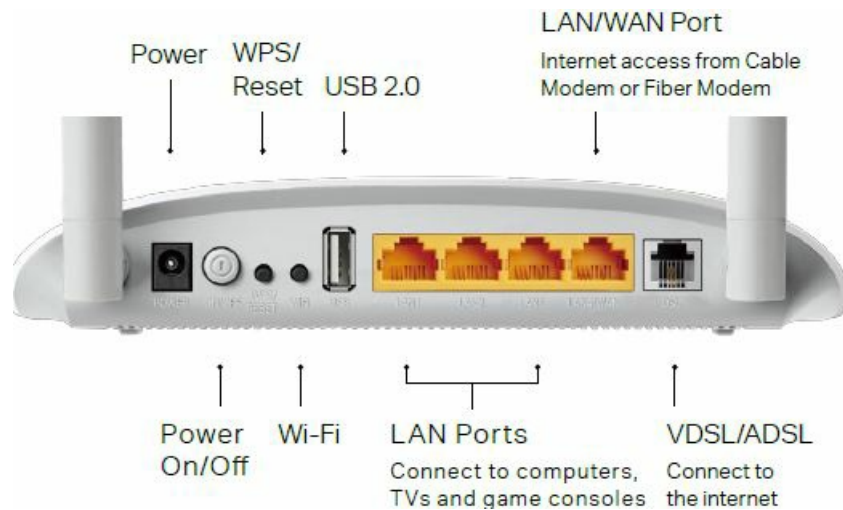
Ease of Use

- **Wireless Schedule** – Wireless Schedule lets you turn the Wi-Fi radio on or off based on a preset timetable
- **Fast Encryption** – Easily set up an encrypted wireless connection at a push of the WPS button
- **Easy Wi-Fi On/Off** – Turn On/Off the wireless radio using the Wi-Fi button
- **Power On/Off** – Conveniently power on or off your router as required

Specifications

Hardware

- **Ports:** 1 10/100 Mbps LAN/WAN Port, 3 10/100 Mbps LAN ports, 1 RJ11 port, 1 USB 2.0 Port
- **Button:** WPS/Reset Button, Wi-Fi Button, Power On/Off Button
- **Antenna:** 2 × 4dBi Fixed Omni-Directional Antennas
- **External Power Supply:** 9V/0.85A
- **Dimensions (W x D x H):** 7.7 × 5.1 × 1.4 in. (195 × 130 × 36 mm)
- **IEEE Standards:** IEEE 802.3, 802.3u
- **ADSL Standards:** Full-rate ANSI T1.413 Issue 2, ITU-T G.992.1(G.DMT), ITU-T G.994.1 (G.hs), ITU-T G.995.1
- **ADSL2 Standards:** ITU-T G.992.3 (G.DMT.bis)
- **ADSL2+ Standards:** ITU-T G.992.5
- **VDSL2 Standards:** ITU-T G.993.2, ITU-T G.993.5 (G.vector), ITU-T G. 998.4 (G.INP)

Power   WPS/Reset   USB 2.0   LAN/WAN Port — Internet access from Cable Modem or Fiber Modem

Power On/Off   Wi-Fi   LAN Ports — Connect to computers, TVs and game consoles   VDSL/ADSL — Connect to the internet

Wireless

- **Wireless Standards**: IEEE 802.11b, 802.11g, 802.11n
- **Frequency:** 2.400 – 2.4835 GHz
- **Signal Rate:** 300 Mbps at 2.4 GHz
- **Transmit Power:** <20 dBm(EIRP)
- **Wireless Function:** Enable/Disable Wireless Radio, WMM, Wireless Statistics
- **Wireless Security:** Supports 64/128-bit WEP, WPA/WPA2, WPA-PSK/WPA2-PSK encryptions

Software

- **Operation Modes:** DSL Modem Router, 3G/4G Router, Wireless Router
- **DHCP:** Server, Client, DHCP Client List, Address Reservation, DHCP Relay
- **Quality of Service:** WMM, Bandwidth Control
- **Port Forwarding:** Virtual Server, Port Triggering, UPnP, DMZ, Manage Control
- **Dynamic DNS:** DynDns, NO-IP
- **VPN Pass-Through:** PPTP, L2TP, IPSec Pass-through
- **ATM/PPP Protocols:** ATM Forum UNI3.1/4.0, PPP over ATM (RFC 2364), PPP over Ethernet (RFC2516), IPoA (RFC1577/2225), PVC – Up to 8 PVCs
- **Security:** Firewall & Dos Protection, Service Filtering, Access Control, IP & MAC Binding, IPv6 Firewall
- **Management:** Remote management, Telnet management, Command Line Interface, SSL for TR-069, SNMP V1/V2C, Web Based Firmware Upgrade, CWMP(TR-069), Diagnostic Tools
- **Guest Network:** 2.4 GHz Guest Network
- **IPSec VPN:** Supports up to 10 IPSec VPN tunnels
- **Protocols:** Supports IPv4 and IPv6

Others

- **Certification:** CE, RoHS
- **System Requirements:**
  Windows 10/8.1/8/7/Vista/XP or Mac OS or Linux-based operating system
- **Environment**

- Operating Temperature: 0℃~40℃ (32℉ ~104℉)
- Storage Temperature: -40℃~70℃ (-40℉ ~158℉)
- Operating Humidity: 10%~90% non-condensing
- Storage Humidity: 5%~90% non-condensing
- **Package Contents**
  - DSL Modem Router TD-W9970
  - External DSL Splitter
  - RJ11 DSL Cable
  - RJ45 Ethernet Cable
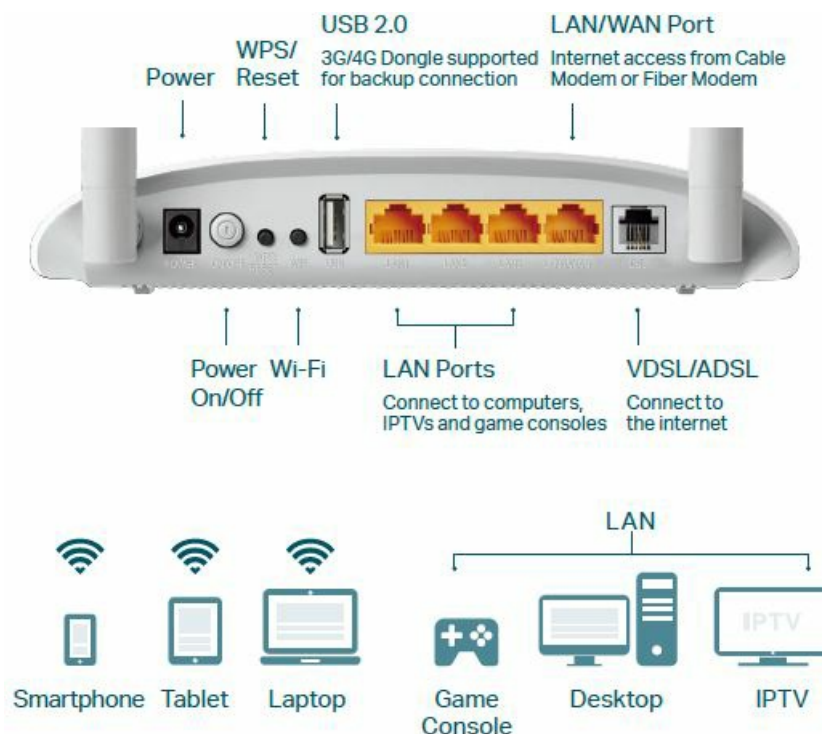 - Quick Installation Guide
  - Power Adapter

For more information, please visit **http://www.tp-link.com/en/products/details/?model=TD-W9970** or scan the QR code left

Highlights

Keep Your Home Less Complicated, More Connected

The TD-W9970 is a combined wired/wireless network connection device with an integrated wireless router and VDSL/ADSL modem, reducing the hassle of configuration. For diverse internet access, the LAN/WAN port accepts broadband connections from Cable Modem or Fiber Modem, and a USB 2.0 port shares 3G/4G connections. Featuring a variety of features and rich functionality, the TD-W9970 is the perfect space-saving hub of your home or business network.

- **High Speed VDSL**

  VDSL Broadband Access of up to 100 Mbps speeds ensures your home internet needs are met

- **Stronger Wi-Fi Across Your Home**
  - 300 Mbps Wi-Fi allows stable speed for wireless activities, such as streaming, surfing, browsing and posting social media
  - Two 4 dBi high-gain antennas expand network coverage across your home

- **Personalized Security**
  - Easily set up an encrypted wireless connection at a push of the WPS button
  - Parental Controls allow parents to establish regulated access for children

- **Easy Installation**
  - An easy setup assistant provides hassle-free installation in seconds
  - Integrated mainstream ISP profiles have the most common provider information built into the web UI and Tether. Users simply choose their ISP from a list, enter the username and password, and login is complete.

TP-Link 300Mbps Wireless N USB VDSL/ADSL modem Router TD-W9970

Frequently Ask Questions

What is the WiFi speed of TD-W9970?

With 300Mbps wireless speed over the 2.4GHz band, the TD-W9970 is a perfect choice for users in search of seamless HD video streaming, online gaming, and other bandwidth-intensive tasks.

Does the TP-Link WiFi router need a modem?

Your router must be connected to a modem in order to provide the local network with an Internet connection.

Acquire an Ethernet cable. Take one end of the cable and plug it into the Internet (or WAN) port on the rear of your router.

What is the maximum speed of TP-Link Wi-Fi?

300Mbps refers to the maximum wireless link speed. The wired local network link speed is limited by the capability of the router's LAN ports, the type of Ethernet cables, and the Ethernet Adapter of the computer.

What is the password for TD w9970?

Enter admin for the Username and Password, both in lowercase. Then click Login or press the Enter key.

Do you need a SIM card for a TP-Link router?

With an integrated 4G LTE modem and a built-in SIM card slot, all you need to do is insert a micro SIM card and turn on the router. Enjoying fast, stable Wi-Fi on a 4G LTE network has never been easier.

How does a TP-Link work?

Simply plug a Powerline adapter into a power outlet and connect it to your router's LAN port via an Ethernet cable. Then plug in another adapter or extender into a power outlet on the same electrical circuit. When the Powerline LED turns on, enjoy your newly extended network.

How do I reset my TP-Link TD w9970?

With the Router powered on, press and hold the WPS/RESET button (more than 10 seconds) until the SYS LED becomes quick-flash from slow-flash. Then release the button and wait the Router to reboot to its factory default settings.

How do I connect my phone to my TP-Link wireless router?

Connect the router to the Ethernet port on the CompactFlash adapter under the access panel. Connect your iOS or Android device to the network created by TP-LINK. The network name (called SSID) and wireless password are printed under the battery cover of the TP-LINK.

What is the IP address of the TP-Link router?

You can use the Router's IP address http://192.168.0.1 or http://192.168.1.1 to login instead of tplinkwifi.net. It is recommended to connect your device directly to TP-Link router with the wired Ethernet cable. Note For Aginet Mesh Devices, Please use http://192.168.88.1 to login instead of tplinkwifi.net.

Can I use a normal SIM in a WiFi router?

You can just use a normal mobile phone SIM card in most devices (with only a couple of exceptions). This includes using a regular mobile phone SIM card inside a tablet, 4G router, or mobile broadband dongle.

What are the benefits of a TP-Link router?

With WiFi and LTE antennas and Ethernet ports, TP-Link 4G routers can easily share a 3G/4G connection with multiple wireless devices, such as phones, tablets, and laptops, at the same time, and provide internet for wired devices like desktop computers.

What happens if I reset my TP-Link router?

If you reset the device, the device will return to factory defaults, you will lose all your settings. Do not perform a hard reset unless you have backed up your settings or you can do the configuration again.

Can I connect the TP-Link router to Wi-Fi?

Select Wireless->Wireless Settings on the left side, enter an SSID for the name of the wireless network, and select a channel. Save and reboot the router. Connect your computer to the other wireless router, and repeat the Step 1 and step 2, after rebooting both of two routers, the wireless connection will be set up

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