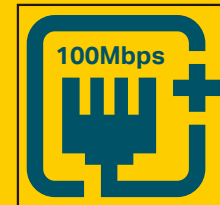tp-link

# 300Mbps Wireless N USB VDSL/ADSL Modem Router

**100Mbps+ Fast DSL Router Support 100 Mbps VDSL Access**

TD-W9970

VDSL/ADSL/Fiber/Cable Compatible
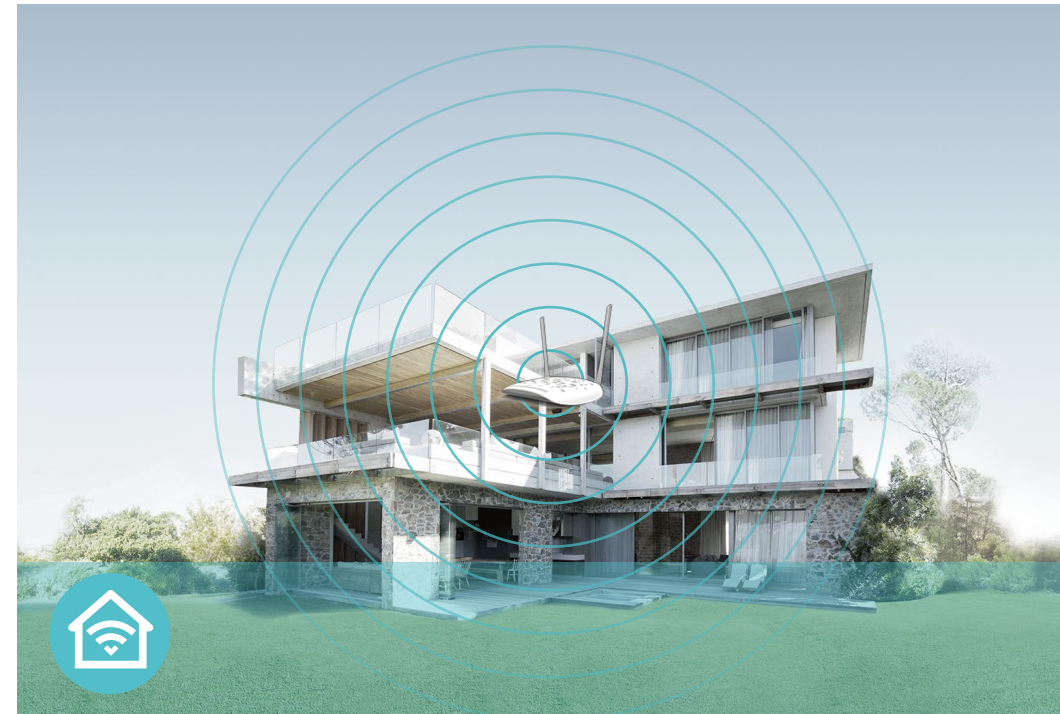
300 Mbps Wireless Speed

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

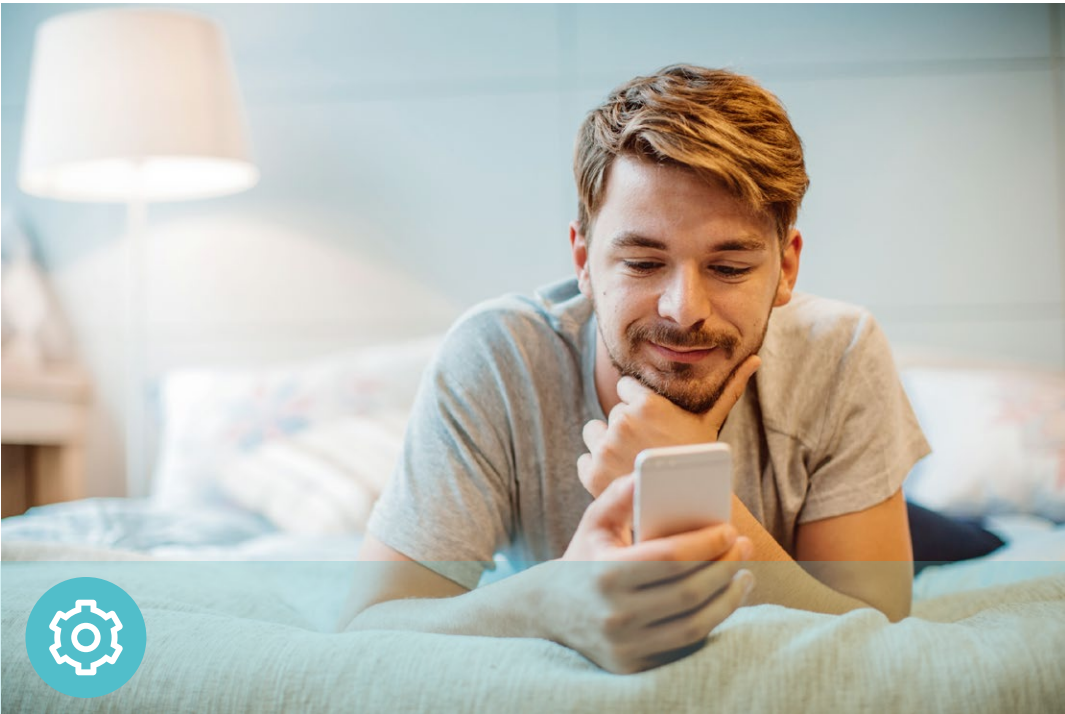· Expansive Coverage – 300 Mbps Wi-Fi allows stable speed for wireless activities, such as streaming, surfing, browsing and posting social media

· 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
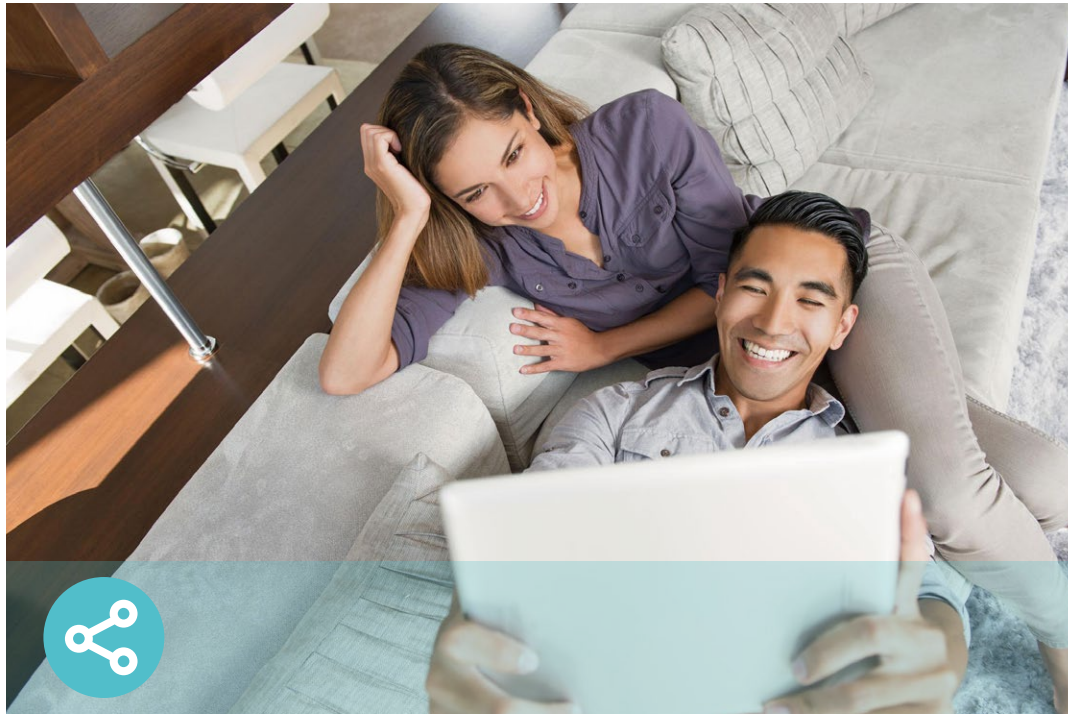
# Features

## 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
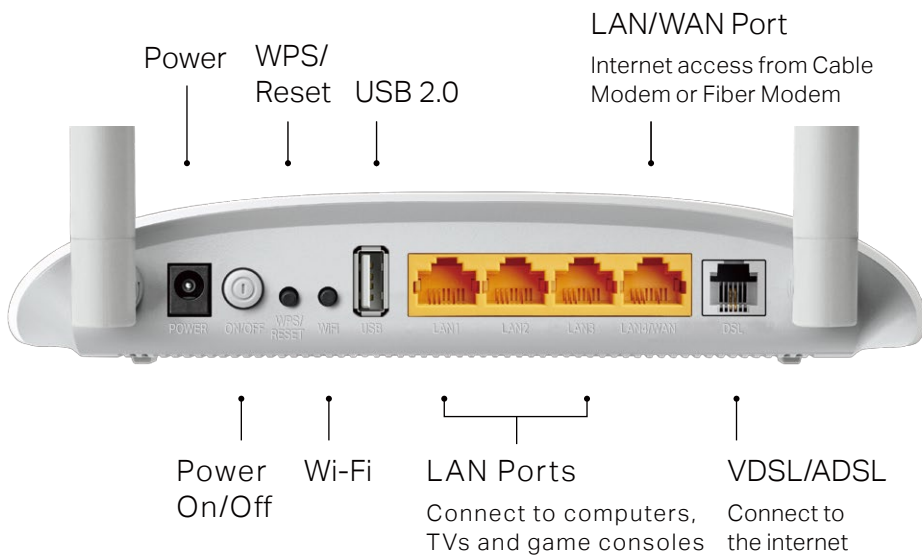
## Ease of Use

· 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 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)

## 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

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

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

# Specifications

## 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
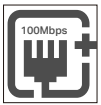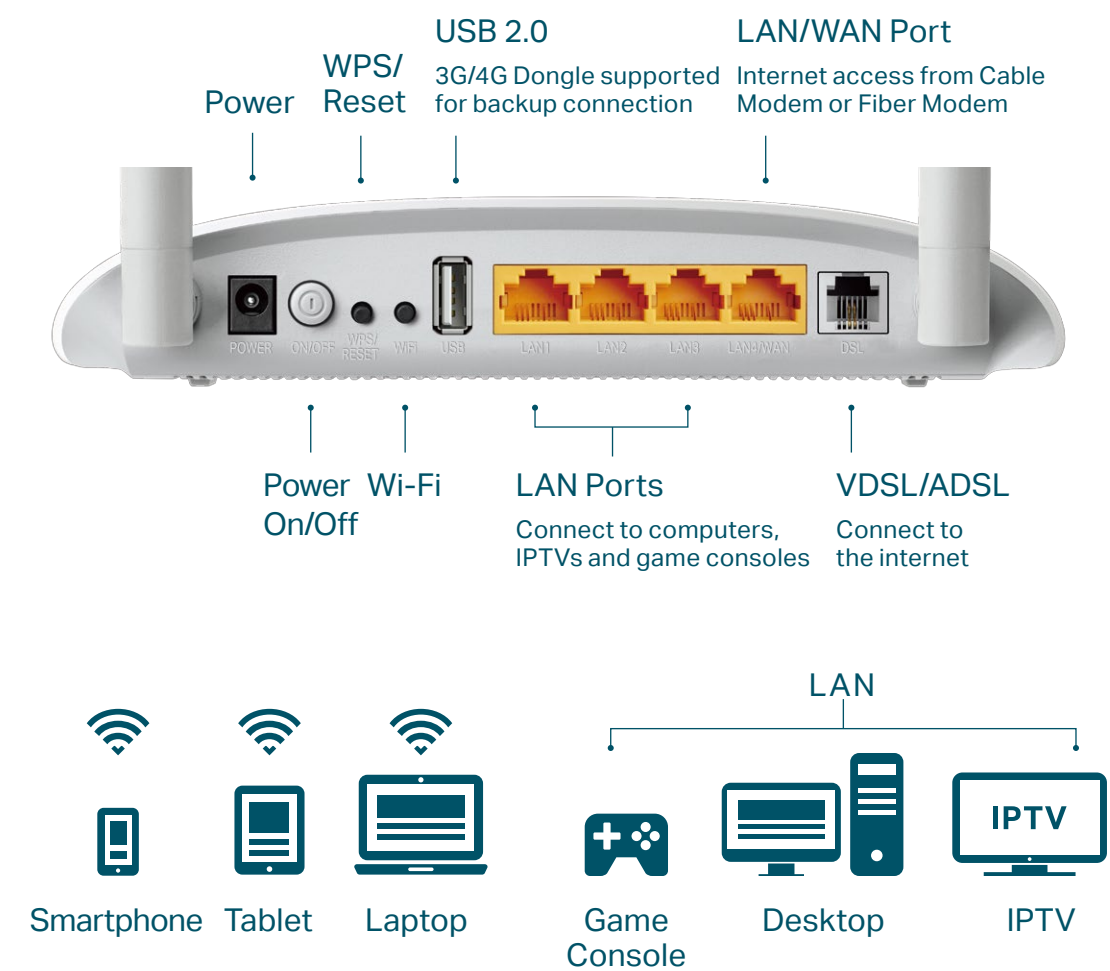- Protocols: Supports IPv4 and IPv6

## 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°C~40°C  (32°F ~104°F)
  Storage Temperature: -40°C~70°C (-40°F ~158°F)
  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

# 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.

Power

WPS/
Reset

USB 2.0
3G/4G Dongle supported
for backup connection

LAN/WAN Port
Internet access from Cable
Modem or Fiber Modem

Power Wi-Fi
On/Off

LAN Ports
Connect to computers,
IPTVs and game consoles

VDSL/ADSL
Connect to
the internet

LAN

Smartphone   Tablet   Laptop   Game Console   Desktop   IPTV

## 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.

Made in China