TP-LINK®

300Mbps Wireless N USB VDSL2 Modem Router

TD-W9970

◉ Features：

- All-in-one: VDSL2/ADSL2+ Modem, NAT Router and wireless Access Point in one device provides a one-stop networking solution

- Wireless N speed up to 300Mbps makes it ideal for heavy bandwidth consuming or interruption sensitive applications like online gaming, Internet calls and even the HD video streaming

- USB Port for Storage Sharing, Printer Sharing, FTP Server, Media Server and UMTS/LTE (3G/4G) Modem Sharing

- Versatile Connectivity: VDSL/ADSL, Ethernet WAN or UMTS/LTE Modem for multiple Internet connection types

- Guest Network Access provides secure Wi-Fi access for guests sharing your home or office network

- Supports the latest Internet Protocol IPv6 to future-proof your network

- Parental Control allows parents or administrators to establish restricted access policies for children or staff

- IP based bandwidth control allows administrators to determine how much bandwidth is allocated to each PC

- Supports up to 10 IPSec VPN tunnels simultaneously

- Wi-Fi On/Off Switch lets you simply turn the wireless radio on or off

- Easily setup an encrypted security connection at a push of WPS button

◉ Description：

TP-LINK's 300Mbps Wireless N USB VDSL2 Modem Router TD-W9970 is an incredibly robust all-in-one device allowing users to access high-speed internet connection via VDSL/ADSL, 3G/4G Modem or Ethernet WAN (EWAN) using its interchangeable LAN/WAN port and share it wirelessly at 300Mbps wireless 802.11n speeds. With its multifunctional USB port, users can share printers, files & media across the local network or share files & media via the internet. Moreover, it supports the latest internet protocol IPv6 to future-proof your network.
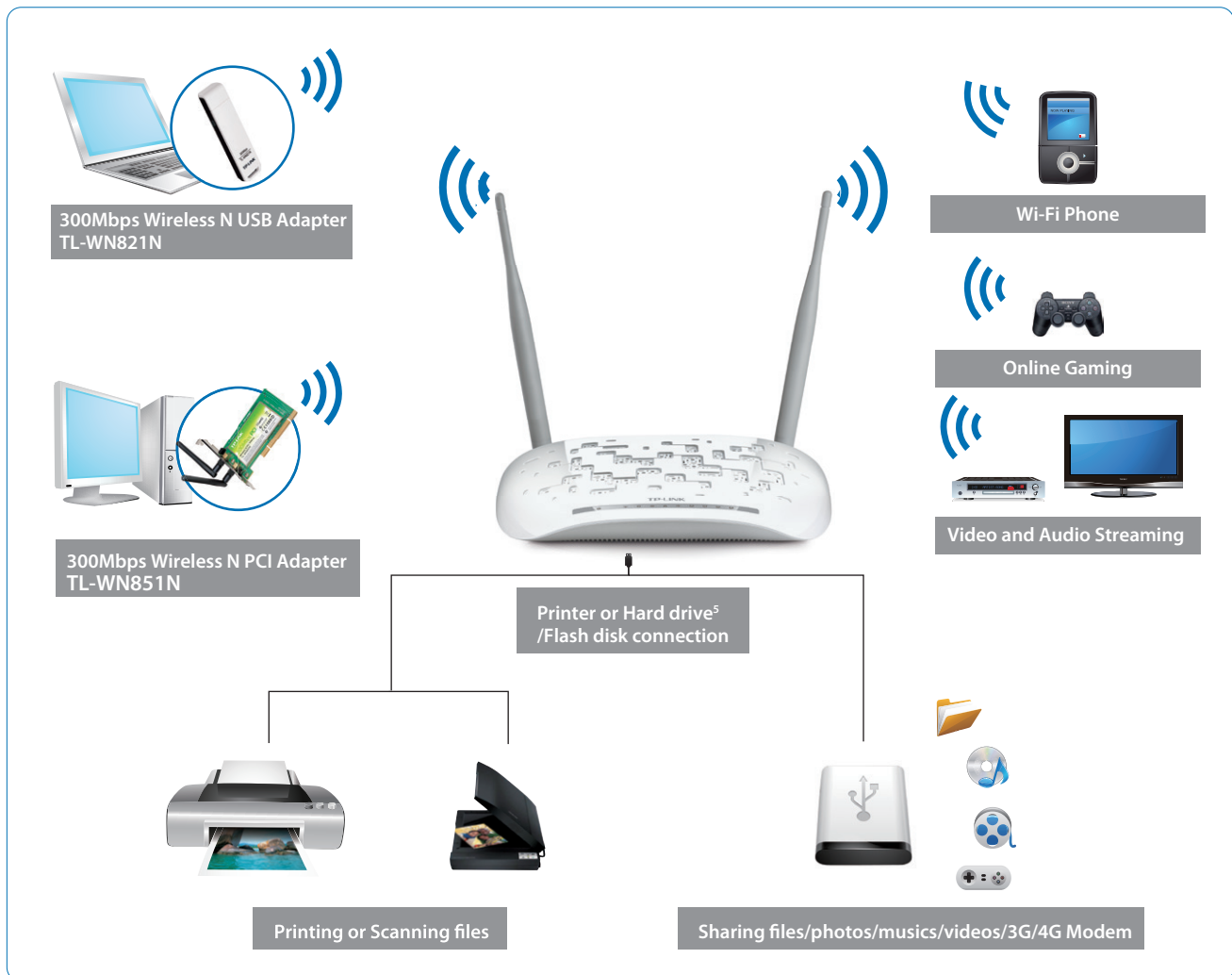
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◉ Specifications：

Interface	4 10/100Mbps RJ45 Ports 1 RJ11 Port 1 USB 2.0 Port
Button	1 Power On/Off Button 1 WPS/RESET Button 1 Wi-Fi On/Off Switch
External Power Supply	12V/1A
Dimensions (W X D X H)	7.7 x 5.1 x1.4 in. (195x130x36mm)
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.995.1 ITU-T G.994.1 (G.hs),
ADSL2 Standards	ITU-T G.992.3 (G.dmt.bis)
ADSL2+ Standards	ITU-T G.992.5
VDSL2 Standards	ITU-T G.993.2
Antenna Type	Omni directional, Fixed
Antenna Gain	2 x 5dBi
Wireless Standards	IEEE 802.11b, 802.11g, 802.11n
Frequency	2.400 - 2.4835GHz
Transmit Power	<20dBm(EIRP)
Wireless Security	Support 64/128 bit WEP, WPA-PSK/WPA2-PSK, Wireless MAC Filtering
Quality of Service	WMM, Bandwidth Control (IP QoS)
Port Forwarding	Virtual server, Port Triggering, UPnP, DMZ, Manage Control
VPN Pass-Through	PPTP, L2TP, IPSec Pass-through
ATM/PPP Protocols	ATM Forum UNI 3.1/4.0 PPP over ATM (RFC 2364) PPP over Ethernet (RFC2516) IPoA (RFC1577/2225) PVC - Up to 8 PVCs
Advanced Features	Ethernet WAN (EWAN) Guest Network, Wireless Schedule, Parent Control Traffic Shaping(ATM QoS) UBR, CBR, VBR-rt, VBR-nrt Dynamic Host Configuration Protocol (DHCP), DHCP relay Network Address Translation (NAT) PVC/Ethernet Port Grouping Static Routing, RIP v1/v2 (optional) DNS Relay, DDNS, IGMP snooping V1/2, IGMP Multicast UPnP
Security	NAT Firewall, SPI Firewall, MAC / IP / URL Filtering
USB Sharing	Storage Sharing, FTP Server, Media Server, Print Server
Management	Web Based Configuration(HTTP), Remote management, Telnet management, Command Line Interface, SSL for TR-069, SNMP V1/V2C, Web Based Firmware Upgrade, CWMP(TR-069), Diagnostic Tools

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◉Specifications：

IGMP	IGMP snooping V1/V2/V3 IGMP Multicast
IPSec VPN	10 IPSec VPN Tunnels LAN-to-LAN Main, Aggressive Negotiation Mode DES, 3DES, AES128, AES256 Encryption Algorithm MD5, SHA1 Authentication Algorithm Manual, IKE Key Management Mode Dead Peer Delection (DPD) Perfect Forward Secrecy (PFS)
IPv6	IPv6 and IPv4 dual stack Supported IPv6 Tunnels: DS-Lite, 6RD, 6 to 4 Supported IPv6 Connection Type: PPPoEv6, DHCPv6, Static IPv6
Certification	CE, FCC, RoHS
Package Contents	TD-W9970 External Splitter RJ-11 Telephone Line RJ-45 Ethernet Cable Quick Installation Guide Resource CD Power Adapter
System Requirements	Windows 8.1/8/7/Vista/XP or MAC OS or Linux-based operating system
Operating Temperature	0℃~40℃ (32°F~104°F)
Storage Temperature	-40℃~70℃ (-40°F~158°F)
Operating Humidity	10%~90% non-condensing
Storage Humidity	5%~90% non-condensing

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◎ Diagram:

300Mbps Wireless N USB Adapter TL-WN821N

300Mbps Wireless N PCI Adapter TL-WN851N

Wi-Fi Phone

Online Gaming

Video and Audio Streaming

Printer or Hard drive[5] /Flash disk connection

Printing or Scanning files

Sharing files/photos/musics/videos/3G/4G Modem

Package:
- 300Mbps Wireless N USB VDSL2 Modem Router TD-W9970
- One Power Adapter
- One External splitter (Optional)
- Two RJ-11 Telephone Lines
- One RJ-45 Ethernet Cable
- Resource CD
- Quick Installation Guide

Related Products:
- 300Mbps Wireless N USB Adapter TL-WN821N
- 300Mbps Wireless N PCI Adapter TL-WN851N

[5] Some USB hard drive that works at a high power without using any external power adapter might not be supported.

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