N600 Wireless Dual Band Gigabit VDSL2 Modem Router
TD-W9980

⊙ Features：

- All-in-One: VDSL2/ADSL2+ Modem, NAT Router, 4-port Gigabit Switch and wireless Dual Band Access Point in one device provides a one-stop networking solution

- Simultaneous 2.4GHz 300Mbps and 5GHz 300Mbps connections for 600Mbps of total available bandwidth

- Gigabit Ethernet ports ensure ultra-high wired performance, ideal for video streaming, online gaming and Internet call

- Dual USB Ports for storage sharing, printer sharing, FTP Server and Media Server

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

- Versatile Connectivity: VDSL/ADSL or Ethernet WAN for multiple Internet connection types

- 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 allotted 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

- SPI and NAT firewall protects end-user devices from potential attacks across the Internet

⊙ Description：

TP-LINK's TD-W9980 N600 Wireless Dual Band Gigabit VDSL2 Modem Router is an incredibly robust all-in-one device allowing users to access high-speed internet connections and share them wirelessly at blazing fast speeds of 300Mbps using the crystal clear 5GHz band and 300Mbps using the traditional 2.4GHz band or by using one of its 4 Gigabit LAN ports. With 2 multi-functional USB ports, users can share printers, files and media across the local network or the Internet. What's more, this All-in-one device allows for two different connection types: VDSL/ADSL or Ethernet WAN, giving users the flexibility to access the Internet whichever method is most convenient.
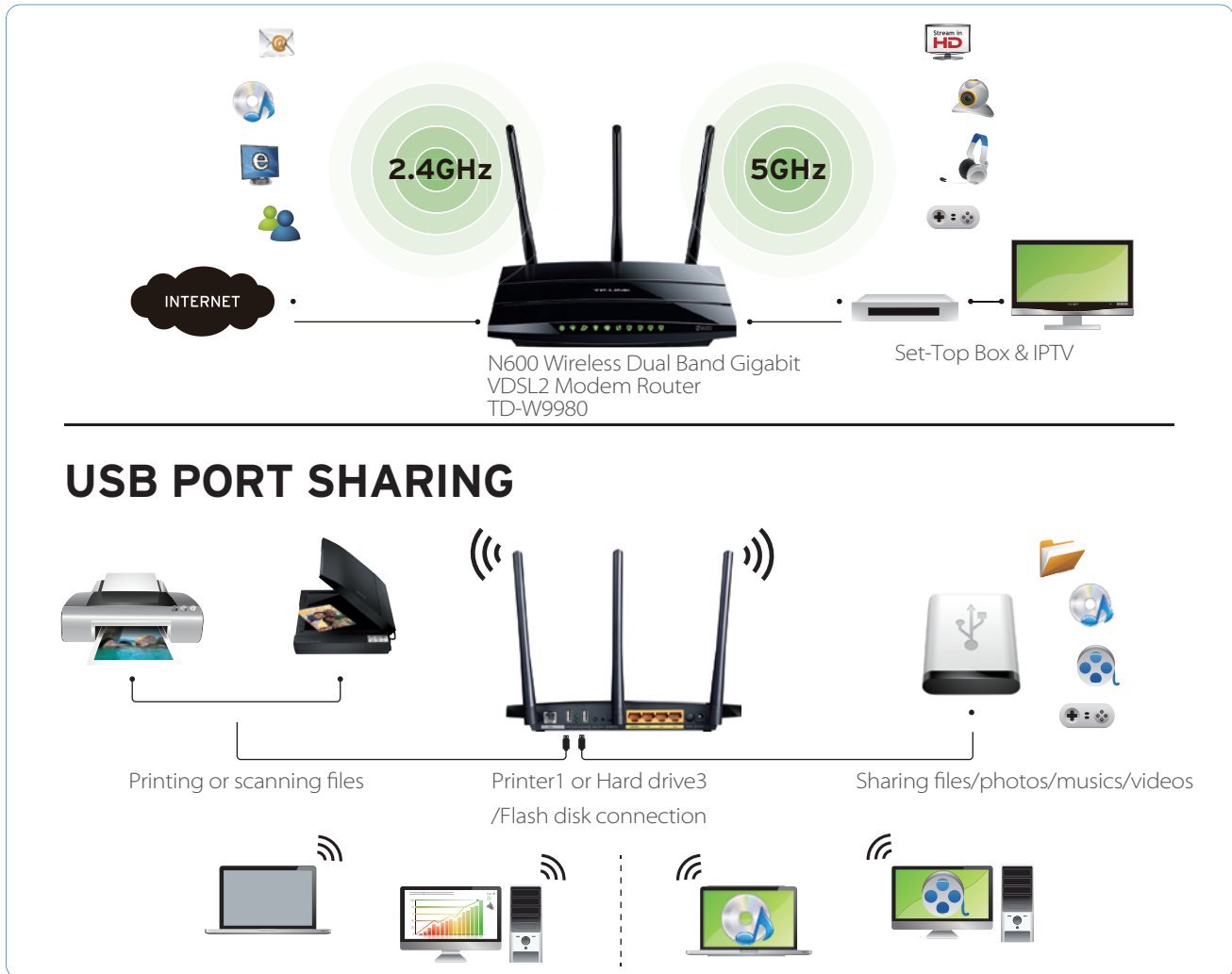
⊙ Specifications：

HARDWARE FEATURES	
Interface	4 10/100/1000Mbps RJ45 Ports 1 RJ11 Port 2 USB 2.0 Ports
Button	1 Power On/Off Button 1 WPS Button 1 Wi-Fi On/Off Switch 1 RESET Button
External Power Supply	12VDC/1.5A
Dimensions (W X D X H)	9.6*6.4*1.3 in.(243 x 160.6 x 32.5mm)
IEEE Standards	IEEE 802.3, 802.3u
VDSL2 Standards	ITU-T G.993.2
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
Antenna Type	Three 5GHz 5dBi detachable antennas (RP-SMA) Two 2.4GHz 3.5dBi internal antennas
WIRELESS FEATURES	
Wireless Standards	IEEE 802.11a, IEEE 802.11b, 802.11g, 802.11n
Frequency	2.4GHz and 5GHz
EIRP	<20dBm(EIRP)
Wireless Security	Support 64/128 bit WEP, WPA /WPA2, WPA-PSK/WPA2-PSK Wireless MAC Filtering
SOFTWARE FEATURES	
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 UNI3.1/4.0 PPP over ATM (RFC 2364) PPP over Ethernet (RFC2516) IPoA (RFC1577/2225) PVC - Up to 8 PVCs
Advanced Features	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
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, AES192, AES256 Encryption Algorithm MD5, SHA1 Authentication Algorithm Manual, IKE Key Management Mode Dead Peer Detection (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
OTHERS	
Certification	IPv6, CE, FCC, RoHS
System Requirements	Microsoft® Windows® 98SE, NT, 2000, XP, Vista , Windows 7, Windows 8, MAC® OS, NetWare®, UNIX® or Linux.
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

◉ Diagram:

2.4GHz

5GHz

INTERNET

N600 Wireless Dual Band Gigabit
VDSL2 Modem Router
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Set-Top Box & IPTV

USB PORT SHARING

Printing or scanning files

Printer1 or Hard drive3
/Flash disk connection

Sharing files/photos/musics/videos

Package:

- N600 Wireless Dual Band Gigabit VDSL2
  Modem Router TD-W9980
- One Power Adapter
- One External splitter (Optional)
- Two RJ-11 Telephone Lines
- One RJ-45 Ethernet Cable
- Resource CD
- Quick Installation Guide

Related Products:

- N600 Wireless Dual Band USB Adapter
TL-WDN3200
- N600 Wireless Dual Band PCI Express Adapter
TL-WDN3800

⁴ Some USB hard drive that works at a high power without using any external power adapter might not be supported.