TP-LINK®

150Mbps Wireless N ADSL2+ Modem Router

TD-W8951ND

⊙ Features：

- All-in-One: ADSL2+ modem, NAT router, 4-port switch and wireless N access point in one device provides an one-stop networking solution

- 150Mbps wireless speed makes it great for video streaming and online gaming

- Easy Setup Assistant with multi-language support provides quick & hassle free installation[1]

- Wi-Fi On/Off Button allows users to simply turn their wireless radio on or off

- WPS Button allows users to easily setup a WPA encrypted secure connection

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

- 4000V Lightning Protection helps your device to avoid the damage of tough thunderstorms

- Port VLAN binds specific LAN ports to PVCs for an enjoyable IPTV experience[2]

⊙ Description：

TP-LINK's 150Mbps Wireless N ADSL2+ Modem Router TD-W8951ND is an All-in-One device that combines the functions of a high-speed DSL modem, a 4-Port NAT router and a wireless access point. It is designed to give you an one-stop solution to acquiring and sharing high speed Internet access over a wired/wireless network. Supporting the latest ADSL standards, the TD-W8951ND provides higher performance and longer reach from the central office of your ISP. Complying with the IEEE 802.11n standard, TD-W8951ND can establish a wireless network and get up to 9X the speed and 4X the range of legacy 11g products. With transmission rates up to 150Mbps, it delivers performance enhancements, allowing you to have a more joyful surfing experience, including sharing files, making Internet call and even watching HD video. You can easily install a high-efficiency and secure wireless network with TD-W8951ND.

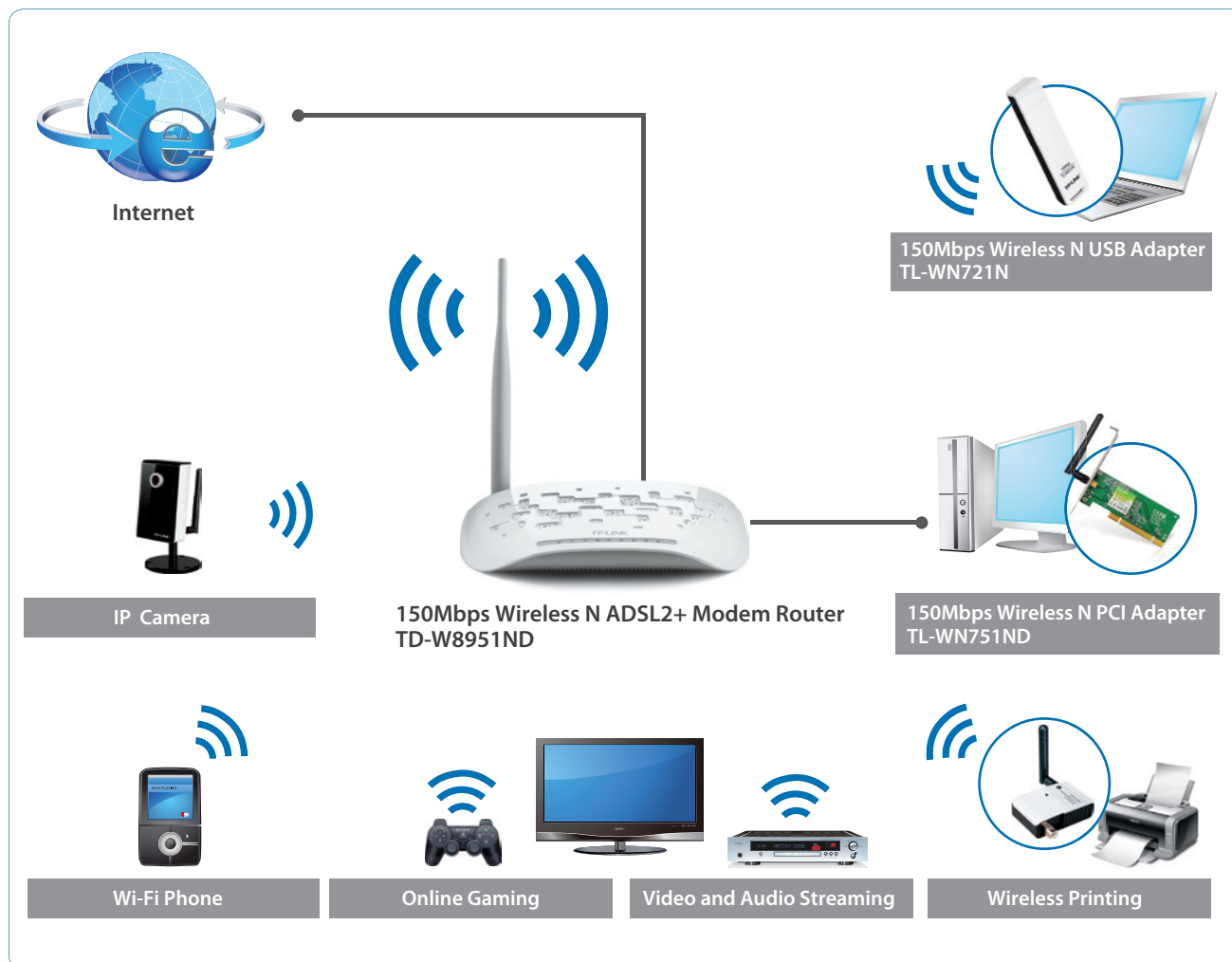1. IPTV application may require subscribing to IPTV services from an ISP.
2. The Easy Setup Assistant Utility supports Windows 2000/XP/Vista and Windows 7 operating system at present.

⊙ Specifications:

Product Description	150Mbps Wireless N ADSL2+ Modem Router
WAN Port	1 RJ11 DSL Port
LAN Ports	4 10/100Mbps RJ45 LAN Ports
IEEE Standards	IEEE 802.3, 802.3u
ADSL Standards	Full-rate ANSI T1.413 Issue 2, ITU-T G.992.1 (G.DMT) Annex A, ITU-T G.992.2 (G.Lite) Annex A, ITU-T G.994.1 (G.hs))
ADSL2 Standards	ITU-T G.992.3 (G.dmt.bis) Annex A/L/M, ITU-T G.992.4 (G.lite.bis) Annex A
ADSL2+ Standards	ITU-T G.992.5 Annex A/L/M
Data Rates	Downstream: Up to 24Mbps Upstream: Up to 3.5Mbps (with Annex M enabled)
ATM / PPP Protocols	ATM Forum UNI3.1/4.0 PVC (up to 8PVCs) ATM Adaptation Layer Type 5 (AAL5) ATM QoS (Traffic Shaping) Bridged and routed Ethernet encapsulation VC and LLC based multiplexing PPP over Ethernet (RFC2516) PPP over ATM (RFC 2364) IPoA (RFC1577/2225)
Main Features	DHCP, DHCP relay NAT, Static Routing, RIP V1/V2 VPN (PPTP, L2TP, IPSec) Pass-through PVC/Ethernet Port Mapping VLAN, 802.1P DNS Relay, DDNS IGMP Multicast, IGMP snooping V1/V2 Virtual server, DMZ, ACL (Access Control List) UPnP
QoS	QoS Remarking based on IPP/ToS, DSCP and 802.1p
Management	Web Based Configuration (HTTP), Remote management, Telnet management, command Line Interface, SSL for TR-069, SNMP V1/V2C, SNMP over EOC, Web Based Firmware Upgrade, CWMP (TR-069), Diagnostic Tools
Security	NAT and SPI Firewall MAC/IP/Packet/Application/URL Filtering Denial of Service(DoS), SYN Flooding, Ping of Death
Wireless Standards	IEEE802.11g, 802.11b, with some n features[1]
Frequency Range	2.4-2.4835GHz
Wireless Speed	11n: Up to 150Mbps (dynamic)
Wireless Security	Provides 64/128-bit WEP encryption security and wireless LAN ACL (Access Control List), WPA-PSK/WPA2-PSK authentication and TKIP/AES encryption security
Wireless Security Power (Max)	20dBm (max.EIRP)
Antenna Type	Omni directional, Detachable, Reverse SMA
Dimensions (W × D × H)	6.5 x 4.3 x 1.1in. (165 x 108 x 28mm)
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

1. The device leverages some 802.11n features to provide improved performance and coverage compared to 802.11a/g devices, and fully interoperate with 802.11n products, but it does not conform to all of the requirements in the IEEE specification and are not classified as "n" in the Wi-Fi CERTIFIED program.

www.tp-link.com

◉ Diagram:

Internet

150Mbps Wireless N USB Adapter
TL-WN721N

IP Camera

150Mbps Wireless N ADSL2+ Modem Router
TD-W8951ND

150Mbps Wireless N PCI Adapter
TL-WN751ND

Wi-Fi Phone

Online Gaming

Video and Audio Streaming

Wireless Printing

Package:

- 150Mbps Wireless N ADSL2+ Modem Router
  TD-W8951ND
- One Power Adapter
- One External splitter
- Two RJ-11 Telephone Cables
- One RJ-45 Ethernet Cable
- Resource CD
- Quick Installation Guide

Related Products:

- 150Mbps Wireless N USB Adapter
  TL-WN721N
- 150Mbps Wireless N PCI Adapter
  TL-WN751ND

www.tp-link.com