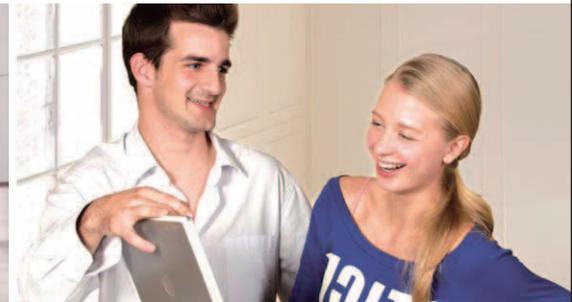# TP-LINK®

Wireless N ADSL2+ Modem Router
TD-W8960N

3-in-1: ADSL2+ modem, 4-port Ethernet router and wireless N access point	300Mbps wireless transmission rate, brings smooth wireless N experience	Various QoS policies enable various application, meeting people's different needs

Description：

The TD-W8960N Wireless N ADSL2+ Modem Router is an All-in-One device that combines the functions of a high speed DSL modem, a 4-Port 10/100Mbps NAT router and a wireless access point. It is designed to give you a one-stop solution to acquire and share high speed Internet access over a wired/wireless network. Supporting the latest ADSL standards, the TD-W8960N brings with it much higher speed than a dial-up connection without tying up the phone line. Compling with the IEEE 802.11n, users will get up to 15X the speed and 5X the range of conventional 11g products. Now you can enjoy more kinds of bandwidth consuming applications like HD video streaming wirelessly which can not be accommodated by 11g products, from anywhere in your entire home or even the yard. In addition, with the function of IPSec VPN (site-to-site), TD-W8960N can guarantee the security of the data transmition from home to corporate network or between remote branch offices.

Specifications:

Interfaces	1 RJ11 port, 4 Ethernet ports, support IEEE802.3,802.3u
Data Rates	Downstream: Up to 24Mbps Upstream: Up to 3.5Mbps（With Annex M enabled）
ADSL Features	Full-rate ANSI T1.413 Issue 2 ITU-T G.992.1 (G.dmt) ITU-T G.992.2 (G.lite) ITU-T G.994.1 (G.hs) ITU-T G.992.3 (G.dmt.bis) ITU-T G.992.5 Supports Annex A/L/M Max 6 kilometers
ATM Features	UNI 3.1，ATM Adaptation Layer Type 5-AAL5 Multiprotocol encapsulation over ATM (RFC 1483) UBR, CBR, VBR-rt, VBR-nrt Supports 8PVCs
PPP Features	PPP over ATM (RFC 2364) PPP over Ethernet (RFC 2516)
Switching Features	IGMP snooping IGMP multicast IEEE 802.1d transparent learning bridging
Routing Features	Clasical IP and ARP over ATM (RFC 1577/2225), RIP V1/V2 MAC Encapsulation Routing Static routing, IP, TCP, UDP, ARP NAT, NAPT, DNS, DDNS, DHCP Server UPnP, Virtual Server, DMZ, Port Trigger SIP, H323 ALG
Wireless Features	Complies with IEEE 802.11n ,IEEE 802.11g, IEEE802.11b Wireless speed up to 300M Provides WPA/WPA2 and WPA-PSK/WPA2-PSK authentication and TKIP/AES encryption security Provides 64/128-bit WEP encryption security and wireless LAN ACL (Access Control List) Max wireless transmit power: 19dbm Antenna power: 3dbi
Security	NAT and SPI Firewall, Packet Filter
VPN	Support up to 10 IPSec VPN tunnels
VPN Pass Through	IPSec/PPTP/L2TP Pass-through
QoS	IP Type of service(ToS) 802.1p
Device Management	HTTP, Console Administration and operation software (firmware) upgradable locally by web(HTTP), console(TFTP) CWMP （TR-069）
Led	Power, Internet, ADSL, WLAN, LAN1~4,QSS
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 condensation
Storage Humidity	5%~90% non-condensing
Dimensions(L x W x H)	7.9 x 5.5 x 1.1 in.(200 x 140 x 28mm)

Features:

- High speed DSL modem, NAT router and wireless access point in one device provides one-stop networking solution
- Wireless N speed up to 300Mbps makes it ideal for bandwidth consuming or interruption sensitive applications like video streaming, online gaming and VoIP
- 2T2R MIMO technology provides robust high-bandwidth wireless Tx/Rx capability at further range
- Support Annex M, which can double upstream data rates
- Support up to 10 IPSec VPN tunnels simultaneously, offering you the most economic way to connect to the company's central network securely
- Easy Setup Assistant provides quick & hassle free installation
- Easily setup a WPA encrypted secure connection at a push of the QSS button
- Dual Firewall (NAT and SPI firewall) protects LAN devices from potential attacks from across the Internet
- QoS enables smooth VoIP/IPTV streaming and lag-free online gaming
- Auto-reconnect keeps you online indefinitely
- Port-mapping binds specific LAN ports and PVCs for differential services
- TR-069 enables centralized management

Package:

- Wireless N ADSL2+ Modem Router TD-W8960N
- One DC power Adapter
- Quick Installation Guide
- One RJ45 cable
- Two RJ11 cables
- One ADSL splitter
- One Resource CD

Related Products:

- 300M Wireless Cardbus Adapter TL-W811N
- 300M Wireless USB Adapter TL-WN821N
- 300M Wireless PCI Adapter TL-WN851N

Diagram:

HOME

TD-W8960N
Wireless N ADSL2+ Modem Router

TL-WN821N
Wireless N USB Adapter

TL-WN851N
Wireless N PCI Adapter

BRANCH OFFICE

TD-W8960N
Wireless N ADSL2+ Modem Router

TL-WN861N
Wireless N CardBus Adapter

Internet

Encrypted IPSec VPN Tunnel

Encrypted IPSec VPN Tunnel

Encrypted IPSec VPN Tunnel

VPN GATEWAY

CORPORATE HEADQUARTER

www.tp-link.com