



# TP-LINK®



## ADSL2/2+ MODEM WITH 1-PORT ETHERNET AND 1-PORT USB ROUTER

latest ADSL standards  
for superior performance

high-speed DSL connection  
and share the Internet

Connect up to 2 computers or other  
Ethernet-enabled devices



## 2-IN-1 DEVICE

The TP-Link ADSL2+ Modem with 1-Port Ethernet and 1-port USB Router (TD-8811) is a 2-in-1 device that combines the function of a DSL modem and 1-port 10/100 Ethernet and 1-port USB1.1 router. The TD-8811 supports the latest ADSL2/2+ standards to provide higher performance (up to 24Mbps downstream and 2.5Mbps upstream) and longer reach from your Internet Service Provider's (ISP) Digital Subscriber Line Access Multiplexer (DSLAM). You can also create a wired network to share your high-speed Internet connection, documents, photos, music, videos, and printers.

## ACCESS HIGH-SPEED INTERNET

Unlike a dial-up Internet service, a DSL Internet connection is always on so that you do not have to wait to access the Web.

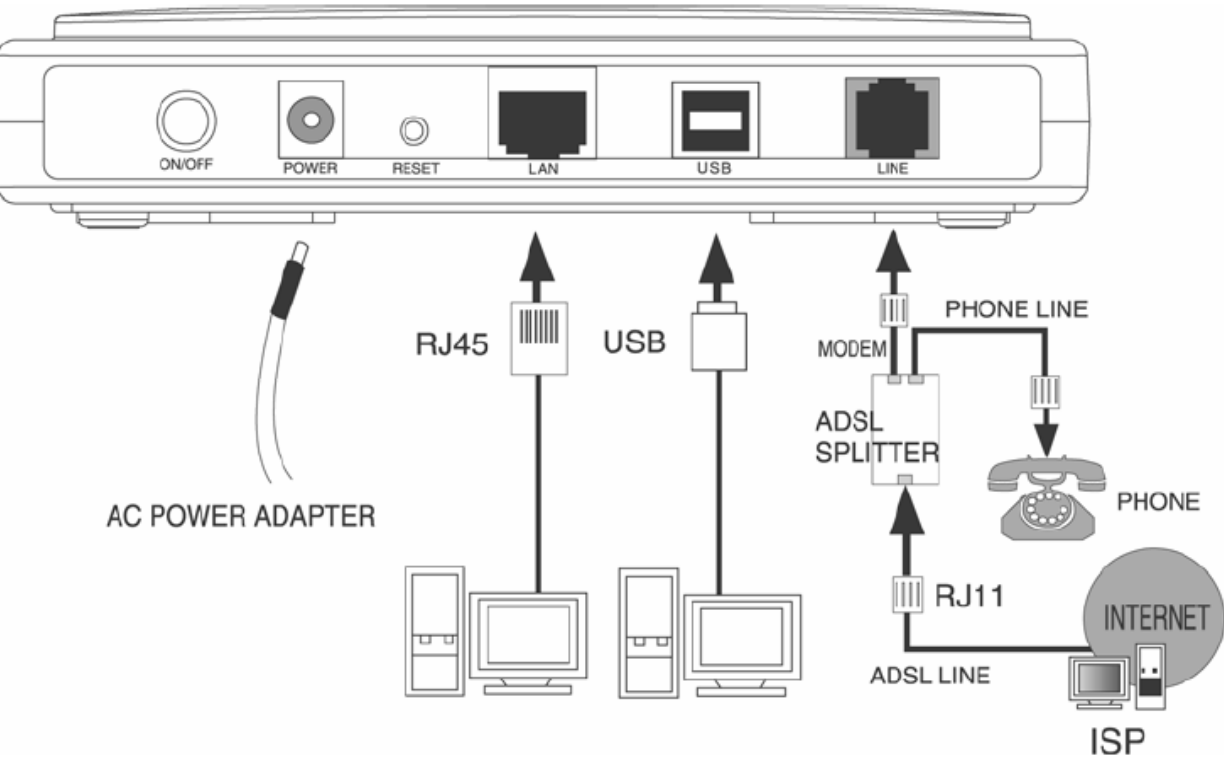
## ADVANCED NETWORKING

The TD-8811 includes a built-in QoS engine that helps prioritize Internet traffic to enable smooth Internet phone calls (VoIP) and lag-free online gaming. In addition, this device includes Dual Active Firewalls (Packet filtering and NAT) to help protect your network from potential attacks from across the Internet. With a built-in 1-port 10/100 Ethernet and 1-port USB1.1 router, up to two network-ready computers or devices can simultaneously be connected to the TD-8811.

## WHAT THIS PRODUCT DOES

The TP-Link ADSL2/2+ Modem with 1-Port Ethernet and 1-Port USB Router (TD-8811) combines the function of a high-speed DSL modem and 2-port router. Easily create a wired network and share a high-speed Internet connection while allowing access to shared files, music, photos, and printers, with multiple computers.

## YOUR NETWORK SETUP



## TECHNICAL SPECIFICATIONS

## **Specifications of TD-8811**

<i>subitem</i>	<i>DESCRIPTION</i>	<i>SPECIFICATIONS</i>
<b>PHYSICAL SPECIFICATIONS</b>		
1.1	<b>WAN interface</b>	1 RJ11 port
1.2	<b>LAN interface</b>	One ethernet port, support 802.3,802.3u
1.3	<b>Status indicators</b>	Power, LAN, ADSL, Act, Alarm,USB
<b>ELECTRICAL SPECIFICATIONS</b>		
2.1	<b>Output voltage</b>	9VAC,0.8A
2.2	<b>Power consumption</b>	4W
<b>ENVIRONMENT SPECIFICATIONS</b>		
3.1	<b>Operating temperature</b>	0°C~40°C
3.2	<b>Storage temperature</b>	-40°C~70°C
3.3	<b>Relative humidity</b>	10% ~ 90%, non condensation
<b>ADSL SPECIFICATIONS</b>		
4.1	<b>Modulation</b>	T1.143 I2,G. 992.1 (G.dmt),G.992.2 (G.lite),G.992.3(G.dmt.bis), G.992.5. Support Annex A/B/L/M
4.2	<b>Data velocity</b>	Max downstream velocity 24Mbps(with ADSL2+ enabled), Supports Annex M, which can double upstream data rates
4.3	<b>Transferring distance</b>	Max 6 kilometers
4.4	<b>Negociation process</b>	for speed, bandwidth and latency, synchronicity and ADSL activation based on ITU-T G.994.1 (G.hs)
4.5	<b>Interoperability</b>	Interoperability with DSLAM equipment that uses G. 992.1 (G.DMT), G.992.2 (G.Lite), G.992.3(G.dmt.bis), G.992.5 and G.994.1(G.hs)
<b>ATM SPECIFICATIONS</b>		
5.1.1	<b>Protocolos ATM</b>	ATM Forum UNI 3.1
5.1.2		ATM Adaptation Layer Type 5-AAL5
5.1.3		Multiprotocol encapsulation over ATM (RFC 1483/RFC2684) (bridge&router modes)
5.2.1	<b>Service Clases of ATM</b>	Unspecified Bit Rate (UBR)
5.2.2		Constant Bit Rate (CBR)
5.2.3		Variable Bit Rate with real time(VBR-rt)

5.2.4		Variable Bit Rate without real time(VBR-nrt)
5.3	<b>Virtual Circuits</b>	8PVC

**Switching SPECIFICATIONS**

6.1	<b>Quality of Service(QoS)</b>	IP Type of service(ToS), 802.1p
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**MANAGEMENT SPECIFICATIONS**

7.1.1	<b>Administrative tools</b>	Backup settings
7.1.2		Update settings
7.1.3		restore factory default settings
7.1.4		LAN configuration
7.1.5		ADSL configuration
7.1.6		ATM parameters configuration
7.1.7		Access control
7.1.8		Remote administration configuration
7.1.9		Autodiagnostics
7.2.1	<b>Diagnostic Tools</b>	LAN connectivity
7.2.2		CPE Sincronization
7.2.3		ATM conectivity
7.2.4		PPP conectivity
7.2.5		IP conectivity
7.2.6		PACKET Internetwork Groper (PING)
7.3	<b>Access control</b>	Services, IP address, Password
7.4	<b>IP aliasing</b>	local users can access the device through two IPs
7.5	<b>Management Interface</b>	HTTP,TELNET
7.6.1	<b>Remote administration</b>	Remotely administrable by TELNET
7.6.2		Remotely administrable by HTTP
7.6.3		SNMP
7.7	<b>Software upgrade</b>	Administration and operation software (firmware) upgradable locally by web(http), console(tftp)
7.8	<b>Authentication</b>	Auto,PAP,CHAP,MS-CHAP
7.9	<b>Security management</b>	SPI firewall, NAT firewall, IP filterling, MAC filtering, Parental control

**ROUTING SPECIFICATIONS**

8.1.1	<b>Protocolos PPP</b>	PPP over ATM (RFC 2364)
8.1.2		PPP over Ethernet (RFC 2516)
8.2.1	<b>Routing protocols</b>	Clasical IP and ARP over ATM (RFC 1577/2225)
8.2.2		MAC Encapsulation Routing
8.2.3		Static routing

8.2.4		IP
8.2.5		TCP
8.2.6		UDP
8.2.7		Address Resolution Protocol ARP (RFC 826)
8.3.1	<b>Addressing</b>	Network Address Port Translation (NAPT)
8.3.2		Network Address Translation (NAT)(RFC 3022)
8.3.3		Domain Name Server Proxy (DNS)
8.3.4		Dynamic Domain Name Server (DDNS)
8.3.5		Dynamic Host Configuration Protocol DHCP- Server (RFC 2131).
8.4	<b>NAT supporting</b>	UPnP, Virtual Server, Port Trigger, DMZ, VPN passthrough

### **INTERNATIONAL STANDARDS**

9.1.1		FCC part 15 class B
9.1.2	<b>Emissions</b>	EN 55022
9.1.3		EN55024
9.2	<b>Security</b>	EN 60950

## **MINIMUM SYSTEM REQUIREMENTS**

- ✧ Subscription with DSL Internet Service Provider
- ✧ Computer with a Network Interface Card

## **PACKAGE CONTENTS**

- ✧ One TD-8811 External ADSL2+ ROUTER
- ✧ One AC power Adapter for TD-8811 External ADSL2+ ROUTER
- ✧ One Resource CD for TD-8811 External ADSL2+ ROUTER, including:
  - User Guide
  - Quick installation Guide Program
  - Other Helpful Information
  - USB driver
- ✧ Quick installation Guide
- ✧ One RJ45 cable
- ✧ Two RJ11 cable
- ✧ One ADSL splitter
- ✧ One USB cable

1. ADSL speeds may vary depending on your individual contract with or services offered by your Internet Service Provider (ISP) and the distance of the modem from the ISP's DSLAM.
2. Latest software and documentation are available at <http://www.tp-link.com>.
3. All references to speed are for comparison purposes only. Product specifications, size, and shape are subject to change without notice, actual product appearance may differ than that depicted herein.

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