

## ADSL2/2+ Ethernet Router TD-8816/TD-8816B



Latest ADSL standards for superior performance: up to 24Mbps downstream and 3.5 Mbps upstream

Various QoS policies enable various application, meeting people's different needs

High speed DSL connection, sharing Internet access



### Description:

The TP-Link ADSL2+ Router (TD-8816/TD-8816B) is a 2-in-1 device that combines the functions of a DSL modem and 1-port 10/100 Ethernet router. It supports the latest ADSL2/2+ standards to provide higher performance (up to 24Mbps downstream and 3.5Mbps 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.

The TD-8816/TD-8816B 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 (SPI and NAT) to help protect your network from potential attacks from across the Internet.

The TD-8816/TD-8816B also supports TR-069 which automatically updates the firmware and other settings when they become available from your ISP.

Featuring high ADSL performance, various QoS policy, easy-to-use, TD-8816/TD-8816B is a good choice to access to the internet.

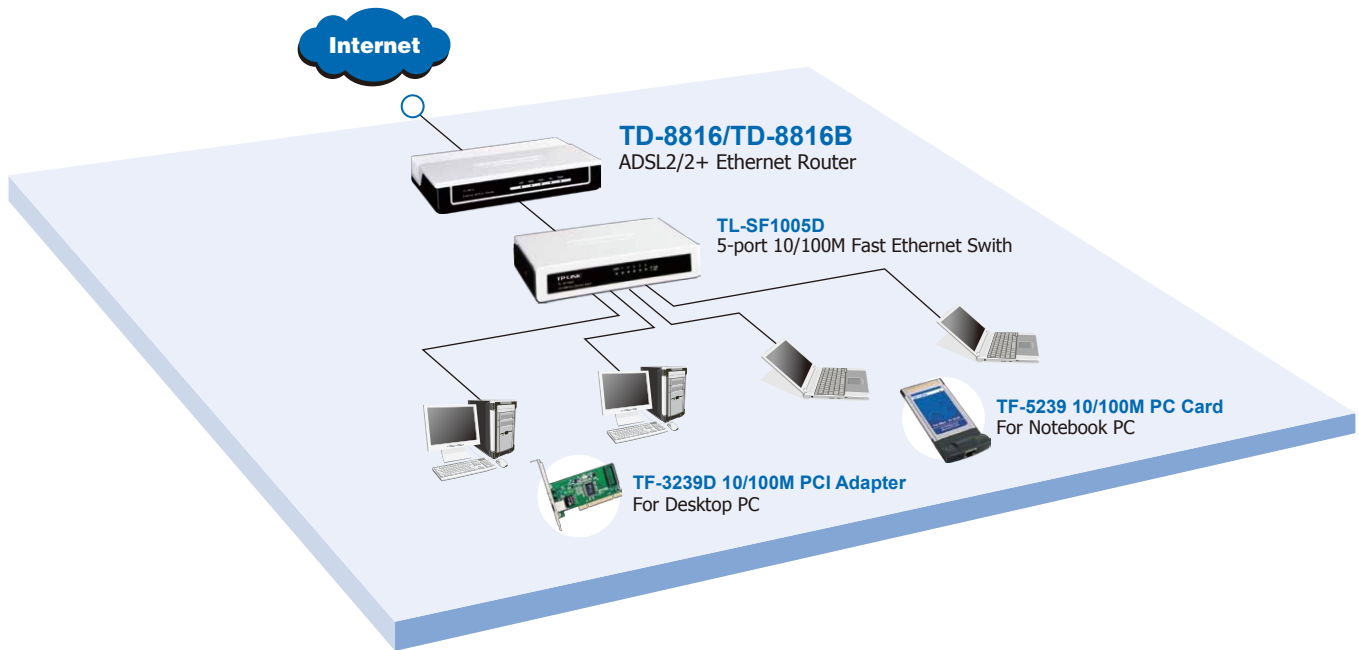
### Features:

- Access a high-speed DSL Internet connection
- Up to 24Mbps downstream speed and 3.5Mbps upstream speed
- QoS prioritization based on ToS, DSCP or 802.1p
- Dual Active Firewalls: SPI and NAT
- Supports DHCP, Universal Plug-and-Play (UPnP), and includes a user-friendly Setup Wizard which takes you through configuring your network, step by step
- Administer and Upgrade the Router Remotely over the Internet

## Specification:

PHYSICAL SPECIFICATIONS	
WAN interface	1 RJ11 port
LAN interface	One ethernet port, support 802.3,802.3u
Status indicators	LAN, ADSL, Act, Power
Dimensions (W*D*H)	6.5*4.3*1.1 in.(165*108*28 mm)
ENVIRONMENT SPECIFICATIONS	
Operating temperature	0°C~40°C
Storage temperature	-40°C~70°C
Operating Humidity	10% ~ 90% RH non-condensing
Storage Humidity	5% ~ 90% RH non-condensing
ADSL SPECIFICATIONS	
Modulation	T1.413,G. 992.1 (G.dmt),G.992.2 (G.lite),ADSL2,ADSL2+, Support Annex A/B/I/J/L/M
Data velocity	Max downstream velocity 24Mbps(with ADSL2+ enabled), Max upstream velocity 3.5Mbps(with Annex M enabled)
Transferring distance	Max 6 kilometers
Negotiation process	For speed, bandwidth and latency, synchronicity and ADSL activation based on ITU-T G.994.1 (G.hs)
Interoperability	Interoperability with DSLAM equipment that uses G. 992.1 (G.DMT), G.992.2 (G.Lite), G.992.3(G.dmt.bis), G.992.4(G.lite.bis), G.992.5 and G.994.1(G.hs)
ATM SPECIFICATIONS	
Protocolos ATM	UNI 3.1/4.0, ATM Adaptation Layer Type 5-AAL5; Multiprotocol encapsulation over ATM (RFC 1483/RFC2684) (bridge&router modes)
Service Clases of ATM	Unspecified Bit Rate (UBR); Constant Bit Rate (CBR); Variable Bit Rate with real time(VBR-rt); Variable Bit Rate without real time(VBR-nrt)
Virtual Circuits	8PVCs
OAM	OAM F4/F5 Loop-back, AIS and RDI OAM cells
SWITCHING SPECIFICATIONS	
IP multicast	IGMP Snooping (v1/v2), IGMP multicast
VLAN	Port VLAN;Tag VLAN
Switching Features	IEEE 802.1d transparent learning bridging
Quality of Service (QoS)	IP Type of service(ToS), 802.1p
MANAGEMENT SPECIFICATIONS	
Administrative tools	Backup settings; Update settings; restore factory default settings; LAN configuration; ADSL configuration; ATM parameters configuration; Access control; Remote administration configuration; Autodiagnosics
Diagnostic Tools	LAN connectivity; CPE Sincronization; ATM conectivity; IP conectivity; PACKET Internetwork Groper (PING)
Access control	Services, IP address, Password
Management Interface	HTTP, TELNET
Compatibility with management agents	SNMP v1/v2,CPE WAN Management Protocol (TR-069)
Remote administration	Remotely administrable by TELNET, HTTP,SNMP,CPE WAN Management Protocol (TR-069)
Software upgrade	Administration and operation software (firmware) upgradeable locally by web, TFTP, FTP120
Security management	IP filtering, MAC filtering,Application Filter,URL Filter, Packet Filter, Stateful Packet Inspection (SPI), NAT.
ROUTING SPECIFICATIONS	
Protocolos PPP	PPP over ATM (RFC 2364); PPP over Ethernet (RFC 2516)
PPP Encapsulation	PAP, CHAP, MS-CHAP
Routing protocols	Classical IP and ARP over ATM (RFC 1577/2225); Routing Information Protocol- RIP Version 1(RFC 1058); Routing Information Protocol -RIP Version 2 (RFC 1723); Static routing; IP; TCP; UDP;Address Resolution Protocol ARP (RFC 826); SIP, H323 ALG. IEEE 802.1d transparent learning bridging.
Addressing	Network Address Port Translation (NAPT); Network Address Translation (NAT)(RFC 3022); Domain Name Server Proxy (DNS); Dynamic Domain Name Server (DDNS);Dynamic Host Configuration Protocol DHCP-Server (RFC 2131).
NAT supporting	UPnP, Virtual Server, DMZ, VPN Pass Through (IPSec/PPTP/L2TP Pass-through)

## Diagram:



## Package:

One TD-8816/TD-8816B ADSL2/2+ Ethernet Router

One AC power Adapter for TD-8816/TD-8816B ADSL2/2+ Ethernet Router

Quick Installation Guide

One RJ45 cable

Two RJ11 cables

One ADSL splitter

One Resource CD, including:

- User Guide

- Other Helpful Information