

Hate Waiting?

You won't have to wait for the Internet. With the Speed Touch Pro surfing the Internet, downloading files and interconnecting LANs become a whole new experience. In fact, this external ADSL router allows speeds 60 times faster than ISDN and 200 times faster than traditional modems.

Setting up could not be easier. Just connect your PC, laptop, or local area network to the modem over an Ethernet or ATM interface and you are ready to go. Alcatel's Speed Touch Pro ADSL router is ideal for residential users, telecommuters, branch offices, and enterprise networks.

The router connects to the phone line through a standard RJ-11 connector. It supports the current standards in Discrete Multi-Tone (DMT) ADSL line coding ensuring widespread interoperability with service providers' ADSL systems. The Ethernet interface (10 M b/s) supports bridging and routing for individual PCs or Ethernet local area networks. The ATM interface (25 M b/s) provides excellent service transparency, and supports consistent ATM-to-the-desktop networking for ATM workstations or multimedia devices, and local area networks. The modem can operate as a standard network adapter, providing an 'always-on' connection to the Internet or corporate network. In this mode the connection is set up when the PC starts up and terminated when the PC is turned off. The always-on mode offers the benefits of a regular network connection, e-mail is always up to date, and the Internet is ready to go.



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The dial-through package, based on the standard Windows software, allows for a connection-oriented operation. Similar to traditional modems, a connection is established on user request through Microsoft's 'dialup networking' interface. Dialup networking mode offers additional security through user authentication.

DHCP and network address translation (NAT) allow the Speed Touch Pro to automatically handle private IP addressing schemes for devices on the local area network, and secure internal IP addresses from external devices. Alcatel's Speed Touch Pro router is the ideal solution to connect multiple PCs to a single ADSL line. Web-based management facilities offer easy configuration of Speed Touch Pro's many features.

Hardware Platform

- ▼ LAN interfaces:
 - 10Base-T (RJ-45)
 - 10Base-T (RJ-45) and ATM-F-25 (RJ-45)
 - 4-port 10Base-T hub (RJ-45)
- ▼ WAN interfaces:
 - ADSL line RJ-11
- ▼ POTS interface:
 - RJ-11 via optional Splitter
- ▼ Serial interface: RS232
- ▼ Physical specifications:
 - Height: 3.5 cm (1.38 in.)
 - Width: 21.0 cm (8.27 in.)
 - Depth: 18.5 cm (7.29 in.)
- ▼ Operating environment:
 - Temperature: 5° to 40° C (40° to 105° F)
 - Humidity: 20% to 80%
- ▼ Power requirements:
 - AC voltage: 100 to 120 V AC, 220 to 240 V AC
 - Frequency: 50/60 Hz
 - Power consumption: 7 W maximum
- ▼ Approved for connection to all major network operators (Please contact your service provider for details)

Data Features

Basic Features

- ▼ Multipoint self-learning transparent bridge per IEEE 802.1D
- ▼ RFC 1483 multiprotocol encapsulation over AAL5/ATM: both LLC-SNAP and VC-based multiplexing supported
- ▼ Remote bridge ports are isolated from each other
- ▼ RFC 1577 Classical IP over ATM
- ▼ Service monitoring through F4/F5 loopback and continuity checks
- ▼ Remote/host software download capability
- ▼ Can be used with Windows 95, 98, NT, Macintosh and Unix platforms

'Dialup networking' Features (PPP)

- ▼ RFC 2364 point-to-point protocol over ATM via PPPoA-to-PPTP relaying
- ▼ Multiple PPTP tunnels per end user allowing simultaneous VPN connections between multiple hosts and destinations
- ▼ Dialup networking user GUI allowing PPP session setup with service provider

- ▼ PAP, CHAP, MSCHAP authentication
- ▼ Support for PPPoE

Routing Features

- ▼ IP routing
- ▼ Static routing
- ▼ Source and destination routing
- ▼ Terminates multiple PPP sessions per RFC 1661
- ▼ Network address translation (NAT)
- ▼ Port address translation (PAT)
- ▼ Support for TCP and UDP ARP
- ▼ Telnet access to router
- ▼ DHCP server/client
- ▼ DNS server/relay
- ▼ Web-based management

ADSL modem specifications

- ▼ Up to 8 Mb/s downstream
- ▼ Up to 1 Mb/s upstream
- ▼ Compliant with multiple ADSL standards:
 - ANSI T1.413 Issue 2
 - ITU G.992.1 (G.dmt)
 - ITU G.992.2 (G.Lite)
- ▼ All Alcatel Speed Touch Pro variants can operate with a central splitter or splitterless (with in-line filters)

