



Dial-up Access For Computers

Remember when the PC and the fax machine were introduced in the early 1980s? At first they were novelties, regarded by many people with some amazement mixed with a little fear of the unknown. But we soon became accustomed to these new productivity tools and began to wonder how we ever managed without them. Now, in the 2000s, it's the same with the Internet. No more swapping voice-mail messages; why bother, when you can send and 3-mail instead. And no more trips to the library or searching through stacks of old trade journals to find reference information; it's all there at your fingertips on the World Wide Web.

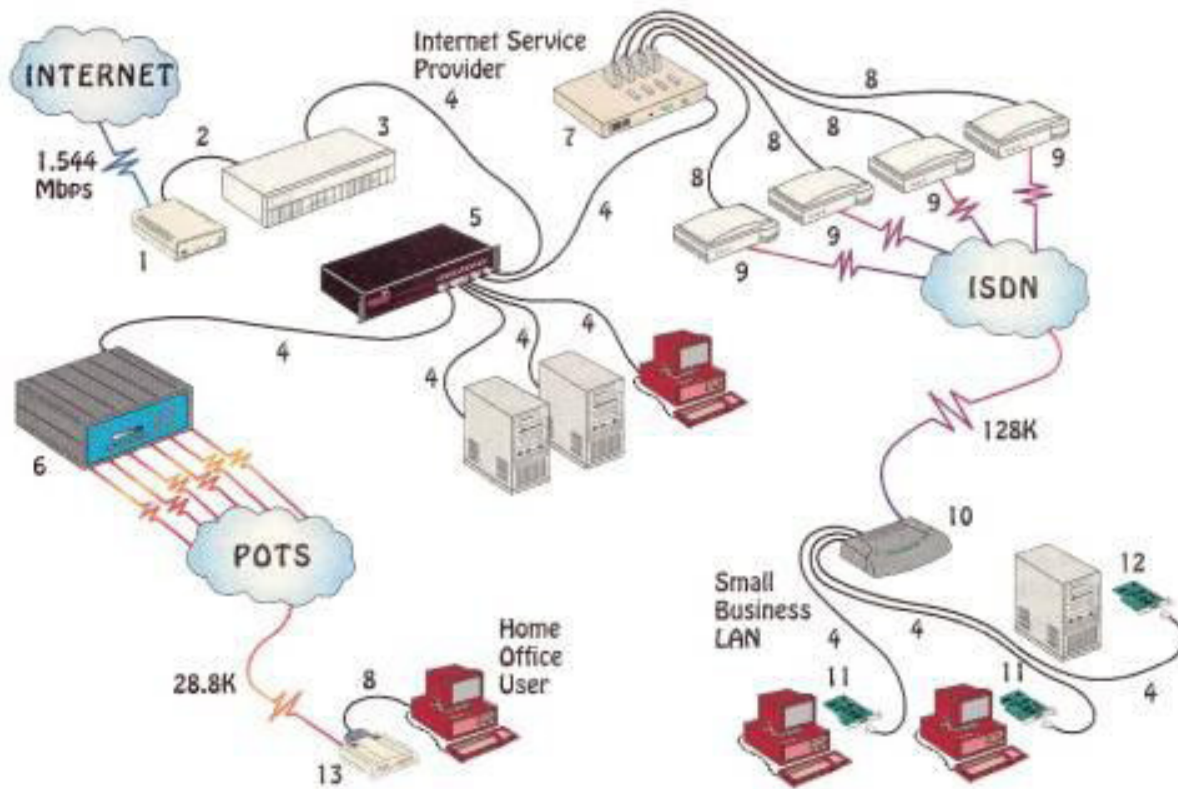
This solution illustrates methods of economically connecting telecommuters and small office LANs to the Internet service provider (ISP) over dial-up analog or ISDN links. At left, an individual PC user connects to the ISP via a standard V.34 dial-up modem. In the ISP's office, a remote access server/modem rack consolidates remote access control and up to 32 V.43 dial-up modems in one convenient rack-mount unit. At right, a small office LAN connects to the ISP via a Cisco 1605 Ramp.

This unique device combines the functions of a 10 Base T hub, ISDN NT1 and IP router or IP/IPX gateway all in one box. It can be cascaded to other 10 Base T hubs to support Ethernet LANs up to 50 users. In the ISP's office, multiple ISDN modems connect to the network via a TCP/IP terminal server. Individual remote PC users could also use an ISDN modem to connect to the ISP via ISDN.

- » **Allows User-to-ISP dial-up connections over analog lines at 28.8 Kbps or ISDN lines at 128 Kbps**
- » **Perfect for telecommuting home PC users**
- » **Ideal for small office LAN users**
- » **Cisco 4500 series router at ISP office supports up to 4 full T1 connections to the Internet**



Dial-up Access For Computers



Products:

1. T1 CSU/DSU
2. V.35 Cable Assembly for Cisco Router
3. Cisco 4500 Router, LAN/WAN modules and Feature Pack
4. 7 ft. T568B UTP Patch Cable
5. 10 Base T Hub
6. Remote Access Server/Modem Rack with V.34 Modem Cards
7. TCP/IP Terminal Server
8. RS-232 DB-25 Male to Male Cable Assembly
9. 3 ComImpact IA ISDN Modem
10. Cisco 1605 Ramp, IP or IPX Model
11. 10 Base T Adapter Card, ISA
12. 10 Base T Adapter card, PCI
13. V.34bis Modem