



DSL - Commercial Class Digital Subscriber Line

How do you access the Internet utilizing the simplicity and economy of telephone, with the current and future high performance needs of data - with PenTeleData DSL.

In today's world, there is an ever increasing need for fast, flexible and affordable access to the Internet. Now, with PenTeleData DSL, it is possible to receive greater bandwidth over ordinary phone lines. PenTeleData features DSL with download speeds as high as 1 Mbps - that's up to 20 times faster than a regular 56k modem. And since DSL is always on, access to the Internet is just a click away - no more busy signals or waiting to connect. Bye - Bye 56k modem.

A PenTeleData DSL connection will help you make the most of your time. The faster speeds allow you to send and receive files quickly. Since DSL technology can utilize your existing phone lines, it allows you to get the most return on your investment.

Whether you're a Commercial, Educational or a Healthcare Institution - a dedicated PenTeleData DSL connection can provide fast, flexible and reliable Internet access.

What exactly is DSL?

DSL is an acronym for **D**igital **S**ubscriber **L**ine technology. DSL is a relatively new technology utilizing existing copper phone lines to deliver high bandwidth Internet access. DSL is a service perfect for those who are currently using a standard "Dial-up connection" to access the Internet. PenTeleData DSL is available in a variety of speeds. These DSL speeds however are limited by several factors: the distance the customer is from each of our remote locations, and also the size and quality of the existing wire used. As a guideline, PenTeleData DSL can deliver 768 kbps up to a distance of 18,000 feet.

PenTeleData DSL technology is putting high-speed Internet access within the reach of small and medium size businesses today. Digital services, such as video on demand, distance learning, VPNs and E-commerce are very bandwidth intensive and until the advent of DSL, were difficult to deliver effectively to small and medium size businesses.

"Fast, Reliable, Flexible, Economical, Secure, Dedicated and Always connected are the key points we use to describe PenTeleData's Commercial Class DSL. When we developed our Commercial DSL packages we had one thing in mind - offer our clients a solution that will make their business work better."

Jeff Reinhard
Vice President of Operations
- PenTeleData

DSL

What can I do with DSL?

Because DSL is so fast and flexible, its the perfect high-speed solution for business, educational and healthcare entities.

Commercial companies can:

- Expand their Web presence - increase the speed of business transactions
- Enhance communication with their customers and suppliers
- Increase efficiency with faster file transfers
- Save money utilizing video conferencing
- Increase productivity by providing remote locations with faster access
- Provide employees with a high-speed remote access product

Educational Institutions can:

- Institute Distance Learning programs to students that otherwise could not attend classes
- Help students become more efficient with research
- Help maintain a high-tech image that will help attract top students and staff
- Provide branch locations with remote high-speed access

Healthcare Facilities can:

- Give doctors high-speed access to patient records
- Provide a means to implement an effective Telemedicine program
- Easily transfer large files such as X-Rays or even Video

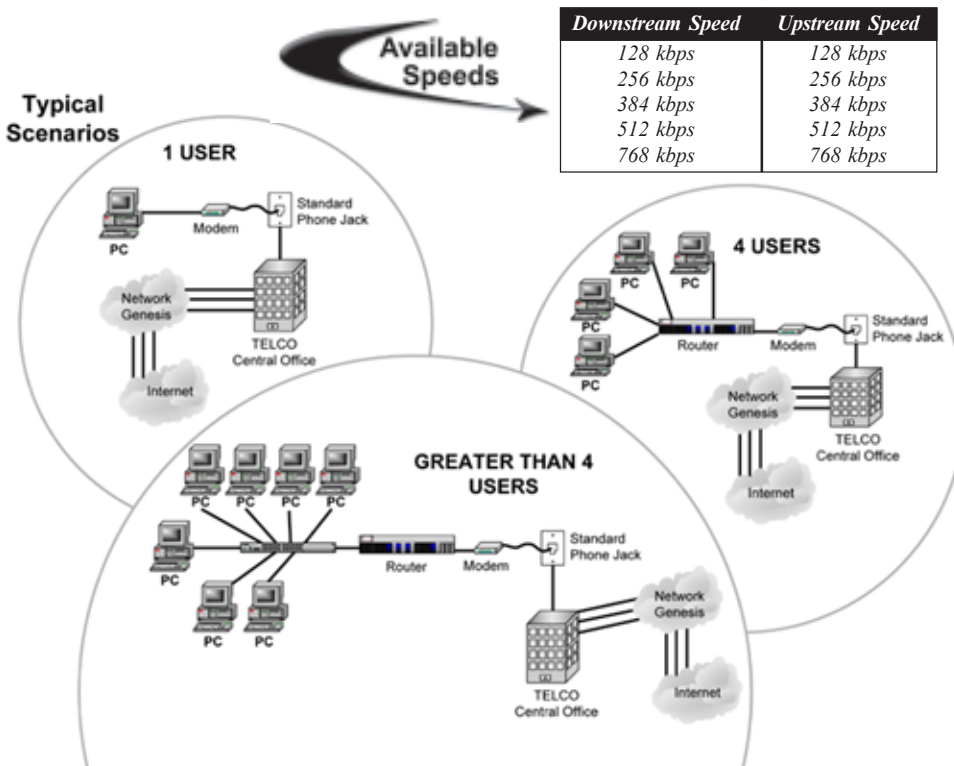
These are just some of the realities a PenTeleData DSL connection can bring to you.

How does DSL work?

A special DSL modem is installed and connected to a Network Interface Card (NIC) located in your computer or to an existing Ethernet Network. The DSL line is connected to a Multiplexer at one of our remote locations. This location is redundantly connected to our Network, *Network Genesis*, and then redundantly connected to the Internet Backbone. Remember, DSL is considered a secure service - Layer 2 connectivity. And unlike other high bandwidth solutions, A DSL connection is on a closed circuit making it less susceptible to risk or attack. A PenTeleData DSL connection is established using a PPP connection and authentication through the use of a PPPoE (PPP over Ethernet) client.

What speed DSL do you offer?

PenTeleData Commercial Class DSL comes in a variety of speeds. To provide a service that will meet the challenges of today and your needs for future, PenTeleData offers SDSL - Symmetrical Digital Subscriber Line. SDSL is designed to provide high bandwidth in both downstream and upstream directions. SDSL is the best suited DSL for commercial applications such as large file transfers, video conferencing and large volumes of e-mail.



What is included with a PenTeleData DSL connection?

Each Commercial DSL connection comes with the following items:

- 24x7 Monitoring (*Router applications only*)
- 24x7 NCC support
- A dedicated Sales Engineer during setup & installation
- Static IP addresses as needed
- Redundant Internet Connectivity
- Guaranteed bandwidth to our remote connection point
- 10 E-mailboxes
- Free Domain Registration (*Domain name charges are the responsibility of customer*)
- Primary and Secondary DNS
- Usenet Newsgroup Access
10 GB transfer per month

FOR MORE INFORMATION

To learn how your company can take advantage of this and the other industry leading technologies from PenTeleData - call us at 1.800.281.3564 or

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