

Digital Subscriber Line (DSL)

Tuesday, 18 March 2008

Last Updated Friday, 11 June 2010

Digital Subscriber Line (DSL) provides instant Internet and network access at speeds up to 50 times faster than a 28.8 Kbps modem on a standard analog phone line. There are no dial-up delays, no busy signals. What used to take minutes or hours to accomplish will take just seconds or minutes.

With DSL Internet service you can download graphics-heavy files, large documents, software updates, photos, email attachments, and more, instantly. It's perfect for real-time interactive multimedia, broadcast quality video, distance learning, and video-on-demand. Because DSL sends data and voice over the same line, you can talk on the phone while you are using the Internet.

DSL technology brings high-bandwidth connectivity to you over ordinary copper telephone lines. Valnet DSL is a type of DSL known as Asymmetrical Digital Subscriber Line (ADSL). It's called "asymmetric" because the speed of the receiving data (the downstream rate to your computer) is different than the speed of sending data (the upstream rate from your computer to the Internet). While it uses a different technology than traditional analog modems, the ADSL modem plugs into your phone jack much like an analog modem.

Why buy DSL?

DSL technology allows you to surf the Internet, connect to your corporate network, and download files to your computer with amazing speed. You'll be able to play networked computer games faster than before -- and streaming audio and video are becoming popular applications for use with DSL Internet service.

Unlike the dial-up connections required for analog modems, your DSL connection can be turned on almost instantly. Since DSL is always available, there's no more busy signals and no more waiting for the connection to happen - it's there at the click of your mouse. If you do turn your PC off (or terminate your DSL connection), it's quick and easy to log back on -- no more long waits as your analog modem establishes its connection.

Another benefit is that DSL uses your existing telephone line - you can actually talk on your phone line at the same time you're using it to surf the Internet!

Why should I buy DSL Internet service from Valnet?

When you buy DSL Internet service from Valnet, you are putting our experience and quality on your side. Valnet firmly believes in providing only the highest quality of products to our customers. We provide more data per customer and more lines and use only the very latest technology to deliver the best possible online experience. Valnet is a company that is large enough to serve you, but small enough to care about each customer! Our small town attitude provides friendly support and a willingness to help that is missing from large companies.

DSL Service from Valnet is also supported by local support staff - not overseas staff like some providers.

Why is DSL better than cable?

What is the difference between DSL and cable modems?

DSL provides always-available high-speed Internet access over a single dedicated telephone line. Cable modems offer high-speed Internet access over a shared cable television line.

While cable modems may have greater theoretical downstream (from the Internet to the home) bandwidth capabilities, that bandwidth is shared among all users in a neighborhood, and will therefore vary, perhaps dramatically, as more users in a neighborhood get online at the same time.

Upstream traffic (from the customer premise to the Internet) over cable modems will in many cases be slower than DSL, either because the particular cable modem is inherently slower, or because too many people in a neighborhood are trying to send or receive data at the same time - causing congestion in the local cable network. Speed can also be adversely affected by the quality of signal that you receive at your location. On the video signal, this will appear as snow or a "blocky" appearance.

DSL Advantages -

- Faster than cable modem service during peak usage periods. *
- DSL service is flexible enough to grow with the skills and interests of our users.
- Customers can also use dial-up connections, and access services like email remotely.
- DSL is as reliable as your phone.

- DSL speed (or "synch-rate" from customer location to the DSL gateway) stays consistent, as opposed to the shared systems used by cable companies where speed may decrease as more users sign up.
- DSL protects the privacy of your data as the line is not shared by your neighbors and therefore it is much more difficult for them to capture traffic or eavesdrop on your line.

Cable Modem Disadvantages -

- Reliability and privacy issues, since bandwidth is shared over the local cable network.
- Shared bandwidth can cause slowdowns due to local network congestion.
- Security - Because everyone in a neighborhood shares the same line, then data on the network can be captured. While the data is encrypted, it is far better for this to not happen at all.

* Based on a month-long benchmarking study by Keynote Systems, DSL was found to be 11% faster than cable modems

How do I get DSL Service?

You can request a pre-qualification with our online DSL application form, or call us at 888-332-1616 to prequalify over the phone. You must meet the Service Availability requirements set forth below.

Pricing ADSL Service starts at \$29.95 for 1.5Mbps/384Kbps service. ADSL is subject to a Regulatory Compliance Fee. For a full listing of service levels, pricing, and fees see our Rates & Fees.

DSL Modem

A DSL Modem is required to use DSL service - your dial-up modem will not work for DSL. You are not required to purchase a DSL modem from Valnet. Any modem supporting G.Lite may be used, though not all modems may be compatible with the DSLAM you are connected to. Valnet offers very competitively priced DSL modems:

DSL Modem Pricing

TD8610 ADSL Bridge-Only Modem	\$39.95
TD8816 ADSL Modem/Router for 1PC or External Router	\$49.95
TLWR340GD Ethernet Wireless Router, 4-Port Switch	\$59.95
BB0001 DSL Filter, 1-Line	\$2.50
BB0002 DSL Filter, 2-Line	\$4.95
BB0004 Wall-Mount DSL Filter (for wall phone)	\$9.95
BB0006 Integrated Splitter/Filter (1-Line)	\$2.95
Flat-Rate shipping charge on any equipment order	\$5.00

What is included with Valnets' DSL service?

All DSL service accounts include:

- 100Mb web space
- 10 e-mail addresses
- e-mail virus scan & spam blocking
- Dial-up backup access
- No minimum term commitment / contract
- DSL equipment package includes:
 - Selected DSL Router/Modem
 - Ethernet Cable
 - Up to 3 phone-line filters, additional filters are available for purchase (Installation Instructions)
 - DSL Setup guide

Service Availability

DSL services are restricted by the length of your phone line. Higher speeds require shorter lines, but the standard service

tier is available to most people. You must also have a qualifying phone line or be served by a carrier that supports "Dry Line" DSL (Verizon). DSL Services are available in these areas where AT&T, Verizon, or Covad local telephone service is available.

To check for service availability on your phone line visit our qualification page and fill out the form there, or call us at (888) 332-1616.