



High-speed Cable Internet Access

Cable Internet access delivers an inexpensive, reliable and dedicated high-speed connectivity solution to both residential and business subscribers alike.

In June of 1948, one of our corporate forefathers placed an antenna atop a nearby mountain, and ran a wire down to his appliance store. He extended this wire to those homes of customers who purchased his TV sets. The rest of this story is history. This simple act launched a worldwide communications revolution: The Birth of Cable Television. More than fifty years later, PenTeleData followed in these innovative footsteps, extending this accomplishment by achieving another equally impressive milestone: In 1994, in eastern Pennsylvania, PenTeleData became the first company in the country to provide Internet service over a standard Cable Television line.

For the small to large business: when it comes to PenTeleData's Cable Internet service, nothing compares. What advantages does Cable Internet have over other Internet services?

- **Innovative** – Operating on the newest technology, cable modems work on a fiber cable system, providing PenTeleData customers with one of the quickest and most reliable Internet solutions available.
- **Reliability** – Customarily, cable modems rely on the cable company and the Internet access provider. PenTeleData is both the Internet company and the cable company, making PenTeleData's cable service most reliable.
- **Scalability** – PenTeleData establishes high-speed service for both symmetrical and asymmetrical cable access. Your cable service can be upgraded at anytime without any hardware or equipment changes.
- **Speed** – A cable modem runs on a fiber-optic network that permits PenTeleData to transmit data at high speeds.
- **Price** – Cable Modem's low start-up cost, set monthly price and no usage charges are attractive to both small and large businesses.

What's the best solution for my business?

Business Class Internet cable service – a reliable, convenient, affordable and fast Internet solution – is a necessity for today's developing business. PenTeleData's Business Class Cable Internet service is perfect for small, medium and large business customers. Your modem can run your entire network or entire building, or be used as a backup to another high-speed service. This high-speed cable service is reliable and will dependably transmit and receive encrypted bandwidth over a standard cable television line. Since you don't use a telephone line downloading information, you'll never experience a busy signal.

“First to dependably deliver it, PenTeleData pioneered the use of high-speed Internet cable service in North America and continues to provide the quality customers have come to expect.”

Jeff Reinhard

*Vice President of Operations
- PenTeleData*

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Is the service provided only to certain customers living in particular geographic areas?

You've already passed the first and hardest step: you've found the most dependable cable provider in the area that offers Internet access. Nearly 45 million homes in the United States and Canada are technically equipped to receive cable Internet service, but many local cable companies won't provide it. Those that do, offer high-speed cable Internet access through a partnership with a national Internet service provider (ISP), which provides the backbone connected to the Internet. PenTeleData enjoys a unique position in Pennsylvania: the only Internet company in the state that owns its own cable backbone network.

What's the fastest connection speed I can receive from PenTeleData's Cable Internet service?

PenTeleData's high-speed Cable service is faster: faster than a standard-dial-up and faster than DSL. Our Business Class Cable Internet service provides data transfer rates approaching the speeds up to 6 Mbps/1 Mbps. And without any hardware changes, your connection can be upgraded at virtually anytime. Free yourself from waiting for crucial files to finish their download: upgrade your 56 kbps modem for a cable modem, and surf the Internet at speeds more than 100 times faster than a dial-up connection.

Is the cable product more or less secure as other products?

Any always-on Internet connection with a static IP address is susceptible to attacks by hackers. PenTeleData urges users to protect against attacks by always keeping a current anti-virus program running, and maintaining a firewall. PenTeleData equips each commercial customer with both a dynamic and up to 1 static IP address. Another typical security concern with cable is that the line is shared with others in your area, which may enable neighbors on the network to snoop around your computer. PenTeleData has warded against this from occurring by filtering NetBIOS, a program that allows applications on different computers to communicate within a local area network.

PenTeleData strongly recommends our customers use Cisco products. The Cisco IOS Firewall scales to allow customers to choose a router platform based on bandwidth, LAN and WAN density, and multiservice requirements, while benefiting from advanced security: a general guideline for choosing the right Cisco router for varied security environments.

How Secure is Cable?

Just as with phone access, special encryption and security features can be implemented in the cable modem to provide secure high-speed access to either the Internet or an office network. The baseline privacy requirement of the DOCSIS standard provides 56-bit DES encrypted data transactions on the cable plant, between each modem and the headend.

Data transmissions within the cable network employ this baseline privacy (encryption). Once the data leaves the cable network to go other places, it is not encrypted by the cable system. So, in summary, data transactions between a user's modem and the CMTS (headend) unit employ encryption.

Can I host websites off of my cable account?

Commercial customers are provided with the ability to run servers off of their cable account. However, residential customer's cable service is intended for use with up to two machines simultaneously.

Can I receive Cable service in my area?

If you have cable television service available in your area, constant, high-speed Internet access is simply just a phone call away. Our Cable Internet service is priced lower than DSL. No matter what your budget, we're confident that we have a Business Class Internet Cable service that's just right for you.

Is Cable more or less dependable than other dedicated, high-speed services?

DSL opens your computer to similar security risks. If your DSL provider does not have its own security measures to prevent hacking and listening to traffic on the network, you are vulnerable, too. Microsoft Windows users should disable file and printer sharing. If these services need to be turned on, password-protect them and restrict access only to specific files or directories.

How do I get Cable Internet?

Call up PenTeleData today! Our sales representatives will be glad to assist you by answering whatever questions you have about PenTeleData Cable Internet service. Contact PenTeleData and find out now how Business Class Internet services satisfy all of your organization's needs.

Cable Internet Access at a Glance:

- *High Transmission and Receiving speeds*
- *Maximize your company's use of the Internet*
- *High-Speed gives you multimedia capabilities*
- *Constant connection to the Internet*
- *No telephone line required*

FOR MORE INFORMATION

To learn how your company can take advantage of this and the other industry leading technologies, from PenTeleData call us at 1.866.PENTEL8 or E-Mail: prosales@ptd.net

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