



## DirectNet Burstable

*PenTeleData's scalable DirectNet Burstable Internet service offers growing businesses and professional organizations the opportunity to connect to the Internet with a powerful and dynamic dedicated connectivity solution – an adaptable service that suits the demands of a complex network. With a data transfer range starting at 1.5 Megabits per second (Mbps), and spanning all the way up to 622 Mbps, DirectNet Burstable is an ideally flexible, usage-based, high-speed Internet solution priced for customers with unique bandwidth needs instead of being sold at one flat rate.*

### How does it work?

Like any other standard dedicated, high-speed Internet service, customers of DirectNet Burstable choose the **base bandwidth** for their Internet access that best suits their network needs. This **base bandwidth** is chosen from the one of five fixed **base bandwidth** tiers. Each tier sets an estimated sustained rate of data transfer the customer expects to utilize during normal operation: an average usage figure that best fits typical day-to-day activities. The customer then establishes a “burstable” limit on the very high end that functions as the extreme maximum usage anticipated for their service. The customer’s usage is then technically unable of “spiking” or bursting beyond this high-end limit.

This burstable service differs from a standard T1, T3, OC-3, OC-12, or EtherPoint connection in one significant way: the customer sets the maximum amount of bandwidth anticipated for heavy network activity, when spikes occur. DirectNet Burstable allows the customer to burst from their chosen **base bandwidth** all the way up to the specified **maximum burstable bandwidth**.

- > **Base Bandwidth** – The sustained data transfer rate chosen by the customer.
- > **Maximum Burstable Bandwidth** – The maximum data transfer rate the customer cannot exceed.

Many businesses rely heavily upon Internet access to transfer information from one location to another, and predominantly, that usage is consistent. However, many organizations have times when network or Internet usage peaks, and their existing standard connection is unable to handle the extra load. DirectNet Burstable allows bandwidth to increase up to the chosen limit as usage increases—during those times when large amounts of information are being moved. With DirectNet Burstable, there is no longer a need to predict exactly how much bandwidth will be used; simply choose the bandwidth range that best suits the network and enjoy the flexibility to use as much or as little as necessary.

DirectNet Burstable is ideal for customers in mid-sized organizations who require Internet bandwidth speeds equaling T1 or greater. These networks typically demonstrate consistent usage trends, but can experience occasional spikes in traffic. DirectNet Burstable is a dedicated Internet solution that accommodates these dynamic changes in your network by providing flexibility to increase bandwidth during peak usage. Along with flexibility

*“PenTeleData’s on-demand DirectNet Burstable Internet service is an intelligently priced, dependable, dedicated, pay-as-you-go connectivity plan that offers various tiers of bandwidth for managers who also rely on PenTeleData’s superior high-speed network.”*

**Jeff Reinhard**  
Vice President of Operations  
- PenTeleData

comes affordability: there are no billing surprises—you receive a low monthly price no matter which tier you choose.

PenTeleData's DirectNet Burstable offers a unique Internet connectivity solution for customers who require the greatest flexibility at the lowest cost. With burstable Internet service, customers can not only burst above their chosen base bandwidth rate, but also in many cases upgrade to higher base speeds without the need for additional equipment. Customers can also monitor usage via a convenient website that offers real-time information as well as access to PenTeleData's 24/7 monitoring and support through the Network Control Center.

DirectNet Burstable can easily accommodate growing businesses and established organizations with its flexible, scalable, and reliable service and support from PenTeleData. This tried-and-true burstable Internet service uses established technology to help customers more economically accommodate their own network needs without having to overspend on their Internet connection: a reasonably priced, usage-based and convenient Internet bandwidth plan from PenTeleData.

Please be reminded that the DirectNet Burstable service is only offered to customers with network requirements exceeding speeds of a dedicated T1 Internet connection.

- Tier 1:** Customers establish a base sustained bandwidth speed of 1.5 Mbps.
- Tier 2:** Customers establish a base sustained bandwidth speed rated between 2 Mbps to 5 Mbps, then set a burstable data rate up to the speed of the transport.
- Tier 3:** Customers establish a base sustained bandwidth speed rated between 6 Mbps to 20 Mbps, then set a burstable data rate up to the speed of the transport.
- Tier 4:** Customers establish a base sustained bandwidth speed rated between 25Mbps to 100 Mbps, then set a burstable data rate up to the speed of the transport.
- Tier 5:** Customers establish a base sustained bandwidth speed over 100 Mbps, then burst up to the speed of the transport.

This five-tiered approach offers an attractive pricing structure that discounts bandwidth rates as usage increases according to scale. Please consult with your PenTeleData commercial sales representative for details on specific pricing for all DirectNet Burstable services.

PenTeleData **ATM** (Asynchronous Transfer Mode) customers also can receive the features and benefits of this dynamic burstable Internet service, and are encouraged to contact their commercial sales representative today to discuss details about how to take advantage of the power of this innovation by adding the standalone burstable Internet bandwidth component to their current service plan.

As well, non-ATM **Etherpoint**, **DS-3**, **OC-3** and **OC-12** customers are encouraged to contact their sales representative today and sign up for the most flexible Internet solution available at the greatest savings.

Please visit PenTeleData on the web at [www.penteledata.net](http://www.penteledata.net) and review all of PenTeleData's high-speed DirectNet Internet and networking service offerings and dedicated solutions suited for commercial and organizational customers who expect nothing less than the best in quality service, customer care and support.

#### Features of DirectNet Burstable:

- > Choose from 5 different base bandwidth tiers and set a maximum burstable bandwidth transfer rate to control monthly expenses when service bursts above standard bandwidth purchased.
- > Burst speeds up to 622 Mbps.
- > Burst amount is billed in 1/10th Mbps increments.
- > Limits govern high-end of usage range.
- > Not distance-sensitive.
- > No billing surprises -- receive a low monthly price depending upon whatever tier you choose.
- > Customer receives increased discounts as bandwidth use increases.
- > No additional equipment needed to increase or decrease tiers and transport speeds.
- > Convenient website enables a customer to examine current month-to-date usage and review previous months' usage.
- > Website access to customer utilization graphs offers 95% real-time information.
- > Website linked to PenTeleData's proprietary S.M.A.R.T. monitoring and ticket system via customer portal.
- > PenTeleData's 24/7 monitoring through the Network Control Center.
- > Online customer support.

#### Benefits of DirectNet Burstable:

- > Cost-effective solution for customers to enjoy the flexibility to only pay for what they use ("burst") above their standard tier of service.
- > Customers may utilize more bandwidth than originally anticipated, accommodating any organization's growth.
- > No service degradation encountered at high-end of service limit.
- > Functions as an excellent stand-by, or back-up connection for redundancy in the event of an emergency.
- > Service compliments current ATM and non-ATM Etherpoint, DS-3, OC-3 and OC-12 dedicated Internet commercial customers.
- > Low-cost, constant amount of bandwidth with usage-sensitive charges that apply only according to use.
- > Ability to change a configurable bandwidth maximum for upper range of service.
- > Service can be tailored to meet the needs of almost all commercial customers who need a connection faster than a T1.
- > Customers can troubleshoot issues and examine bills thanks to PenTeleData's online support.

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