



## STATE-OF-THE-ART INTERNET ACCESS: **MADE SIMPLE**

In today's information-driven society, Internet Access must be fast, dependable and quality-driven. Companies and end-users depend on bandwidth-intensive applications such as online gaming, e-commerce, streaming media and more. Datagram's offering is simple: provide customers with proven, state-of-the art Internet access to ensure their online success.

## NETWORK ENGINEERING PHILOSOPHY

Datagram has spent fifteen years building the tools needed to deliver a network environment that best suits any business need. Datagram's network engineering philosophy is simple: build the best network possible with maximum flexibility, redundancy and route optimization to allow the ability to interconnect to clients other service provider networks.

Datagram owns and operates a state-of-the-art, New York City metro area backbone in order to provide the best overall experience for its customers' online applications. By leveraging multiple paid transit links and peering exchanges Datagram ensures that our customers receive redundant, high quality of service Internet access. Datagram further extends the reach of its network to Los Angeles, CA and Bethel, CT, for peering and transit, as well as to provide local Internet Access to customers at those locations.

Having a dark fiber backbone to connect through all the key telecommunications and carrier hotels throughout the New York area allows Datagram to connect to clients as well as hundreds of local, national and international networks. Datagram's route optimization solution further ensures its customers receive the highest quality experience on the Internet by selecting the best possible path for data packets to reach their final destination.

## LOCAL ETHERNET ACCESS

Datagram delivers Internet access over a full-duplex Ethernet connection at all Datagram datacenter facilities as well as to Telecommunication Hubs, Carrier Hotels, Internet exchanges (IX), and Ethernet-lit buildings. Ethernet allows the scalability that can easily expand to meet a company's growing bandwidth needs. Datagram provides full fixed rate, fractional rate or burstable billing on all Ethernet circuits from 100Mbps to 1 Gigabit Ethernet (1Gbps) and 10 Gigabit Ethernet (10Gbps). In New York City locations such as 60 Hudson Street, 111 8<sup>th</sup> Ave, 25 Broadway and 33 Whitehall, as well as One Wilshire in Los Angeles, access to Datagram via Ethernet is only a short cross connect away.

**Ten Gigabit Ethernet** - Full 10Gbps  
or fractional 1Gbps- 10Gbps

**Fast Ethernet** - Full 100Mbps or  
fractional 10Mbps – 100Mbps

**Gigabit Ethernet** - Full 1000Mbps  
or fractional 100Mbps – 1,000Mbps

**Ethernet** - Full 10Mbps or fractional  
1Mbps- 10Mbps



## REMOTE ACCESS

Datagram delivers Internet access directly to office buildings or other remote locations via traditional, point-to-point connections using the incumbent Local Exchange Carriers (LEC's) and Competitive Local Exchange Carriers (CLEC's) where available. Connection speeds range from 1.5Mbps to 155Mbps via traditional circuits such as T1, DS3 and OC3. Datagram also provides Metro Ethernet with speeds up to 1000Mbps (1Gbps) where available.

### **OC48**

Full 2.5Gbps or fractional from 500Mbps to 2.5Gbps

**T3 (DS3)** - Full 45Mbps or fractional 5Mbps – 45Mbps

**OC12** - Full 620Mbps or fractional from 100Mbps to 620Mbps

**T1 (DS1)** - 1.5Mbps each, bonded up to 6x for 9Mbps total

**OC3** - Full 155Mbps or fractional from 30Mbps to 155Mbps

**Metro Ethernet** – 10Mbps to 1Gbps (1000Mbps)

Datagram offers clients both burstable and fixed billing options, so they can get the benefit of having a larger port available when needed. Burstable bandwidth is measured and billed at the industry standard 95<sup>th</sup> percentile

## INTERNET SOLUTIONS MADE SIMPLE

Datagram is the Internet Solutions Company that enables clients to efficiently leverage the Internet to achieve their objectives by providing highly reliable network and datacenter-based services, such as Dedicated Hosting, Internet Access, Colocation and Disaster Recovery. With over fifteen years experience in designing networks and server environments, Datagram operates state-of-the-art network and datacenter facilities in the New York metropolitan area, with additional points of service in Connecticut and California. Datagram is committed to optimal customer support and first-in-class technology so customers can focus on growing their business while Datagram takes care of the rest.

**Datagram: Internet Solutions Made Simple.**

To simplify your company's Internet solutions, please visit [www.datagram.com](http://www.datagram.com).

