



Pacnet *Lightning*

Shatter Data Access Barriers, Optimize Your Trading Gains

On trading floors around the world, every millisecond makes a difference. The information you obtain from that fraction of time could mean millions of dollars in revenues or huge opportunity lost. To optimize your financial gains, you need the fastest access to trading information so you can identify trade opportunities and act on them as they happen – efficiently, accurately, and profitably.

Pacnet *Lightning* is designed to empower you with the fastest access to real-time data at the speed of light across the stock exchanges of Asia and North America.

Pacnet *Lightning* is powered by our leading edge Ethernet over SDH Network offering premium circuits or a combination of dedicated point-to-multipoint Ethernet and SDH circuits exclusively configured for banks and financial institutions, helping you achieve great results in trading transaction. Delivering predictive performance efficiently monitored to guarantee 100% delivery of the bandwidth you require.

Whether you are on the buy or sell side of trading, Pacnet *Lightning* shatters the data access barriers that affect your efficiency by bringing you the lowest latency connection between stock exchanges and trading floors.

Latency Matters

Latency is defined as a measure of time delay experienced in a system. The lower the latency of your network, the better equipped you are to exploit opportunities.

In the financial services industry, latency is a risk that needs to be mitigated, lowered and controlled.

- In 2008, 16% of all US institutional equity commissions are exposed to latency risk, totaling \$2B in revenue.
- If a broker's electronic trading platform is 5 milliseconds behind the competition, it could lose at least 1% of its flow; that's \$4 million in revenues per millisecond.
- Up to 10 milliseconds of latency could result in a 10% drop in revenues.

The Value of a Millisecond: Finding the Optimal Speed of a Trading Infrastructure – TABB Research, 2008



Blazing the trail in electronic trading

The evolution of electronic financial markets is becoming apparent with advancements in algorithmic trading or automated trading (also known as algo-trading, black-box trading, high-frequency trading or robo trading) that uses computer programs to execute trading orders.

In the foreign exchange sector where the trend is most pronounced, algorithmic trading is expected to comprise 80% of trading transactions by 2010 according to research firm TABB Group.

In the new electronic financial markets, computer algorithms make decisions on every aspect of trading such as the timing, price, or quantity of the order, initiating them automatically without human intervention. Investors, on the other hand, may leverage algorithmic support to augment their investment decisions and trade execution.

Today, stock exchanges around the world are increasing the capacity of their systems to cope with the rise in algorithmic trading demands. At the same time, they are optimizing their networks to provide better connectivity for higher level traders who take strategic positions and require fast access to information to support their decisions.

However you want to leverage your connection and access to real-time trading data, Pacnet Lightning is ready to support your requirements with its powerful, resilient network that delivers the lowest latency across stock exchanges in the Asia and the United States, providing you the information you need, when you need it... at lightning speed.



The Pacnet Advantage

Pacnet *Lightning* low latency connectivity package for the financial services industry powered by leading edge Ethernet and Private Line circuits the run on our self-owned advanced subsea cable network EAC-C2C – the Asia Pacific region's leading submarine cable system.

EAC-C2C connects seven top markets in Asia including Singapore, Hong Kong and Tokyo, which are home the region's biggest stock exchanges and is seamlessly linked to the US, the hub of global trading.

Our network leverages Synchronous Data Hierarchy (SDH), advanced next-generation optical network technology that incorporates a "self-healing architecture" and enables automatic recovery and alternate routing capabilities to ensure that you are always connected to your data source.

Pacnet *Lightning* is primarily supported by two key connectivity services:

Pacnet Global Ethernet International Private Line (EIPL)

Connecting stock exchanges in Asia and the US, Pacnet *Lightning* EIPL provides point-to-point and point- to-multipoint Ethernet virtual connectivity between paired and multiple dedicated network users' interfaces. Built on our industry leading, lowest latency, high quality subsea cable network, it delivers dedicated bandwidth with a high degree of network transparency, enabling seamless, flexible connectivity and speedy transmission of real time data with the lowest latency possible.

Pacnet Global International Private Line (IPL)

Pacnet Global Internet Private Line offers direct city-to-city leased capacity enabling financial companies to build, share and access data across multiple regions and markets. Built on our Pan-Asia fiber cable network and supported by our own national backhaul across major Asian markets, Pacnet offers unmatched door-to-door connectivity and seamless access to real-time financial data anywhere in the world.

For more details about our services, please email sales.inquiries@pacnet.com or visit our website at www.pacnet.com