



## SkyX® Accelerator

### Accelerate Network Application Performance

#### Speed Network Delivery

When applications bog down, it often takes more than added bandwidth to get them moving again. TCP protocol design limitations, high latency and lost packets hinder an application's ability to ramp to the required connection speed. SkyX acceleration from Packeteer® is designed to overcome these issues — including inherent TCP limitations — to ramp flows, fully utilize links and keep information moving at the speed of business. SkyX acceleration gets the most out of your link, using your bandwidth's full potential to accelerate WAN application performance across the enterprise.

#### TCP Acceleration and Protocol Design

SkyX products accelerate all TCP-based applications — including web access, FTP file transfers, ERP and e-mail — by acting as a transparent proxy for TCP using a protocol specifically optimized for long delay, high bit error and asymmetric bandwidth conditions. Enjoy faster performance of your database connectivity, Web and remote access applications while maintaining full TCP reliability and end-to-end flow control.

#### Web Acceleration

Response times improve dramatically with enhanced HTTP performance. SkyX FastWeb technology speeds delivery of embedded objects and web-based applications. It also further accelerates web downloads by reducing the time needed to establish each new HTTP connection.

#### Data Center Replication Acceleration

The technology behind SkyX acceleration overcomes latency on high-bandwidth links by utilizing bandwidth much more efficiently and improving replication performance over DS3 and OC12 data center-to-data center links. Replication sessions complete up to 100x faster and are not subject to the stalls and session drops associated with packet loss.

#### Data Compression

On-the-fly data compression functionality offers compression ratios of up to 10:1, with typical traffic mixes realizing 2:1 to 4:1 — increasing the amount of data carried over the link.

#### IPv6 and SCPS

SkyX accelerates Internet Protocol Version 6 (IPv6) traffic and provides Space Communications Protocol Standard (SCPS), including SCPS over IPv6, accelerating next generation IPv6 networks.



**Accelerate large file transfers, disaster recovery, database synchronization and backups**

**Optimize WAN application performance**

**Eliminate the impact of high latency due to distance delay**

**Maximize bandwidth utilization and ROI**

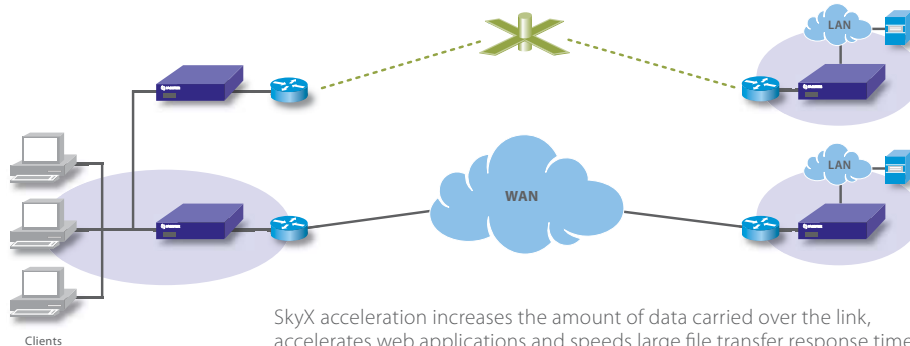
**Minimize unnecessary retransmissions and the effects of packet loss**

# SkyX Accelerator

## Accelerate Network Application Performance

### Key Features

- Fully transparent, protocol-layer architecture specifically optimized for long delay, high bit error and asymmetric bandwidth conditions
- FastWeb Web accelerator
- Efficient use of bandwidth and improved replication performance over DS3 and OC12 data center-to-data center links
- On-the-fly data compression
- Internet Protocol Version 6 (IPv6) and Space Communications Protocol Standard (SCPS) acceleration



## SkyX Accelerator

The efficient protocol-layer architecture of SkyX acceleration delivers high application performance and scalability. Unlike other TCP performance devices, it's also fully transparent — no changes, modifications, proxies or settings are required. With unprecedented ease-of-use and installation, SkyX acceleration quickly has you utilizing bandwidth to its full potential.

**SkyX Accelerator** is a ready-to-install, rack-mounted hardware device that distributes SkyX acceleration performance to all network devices. The SkyX 250 is ideal for branch offices or for use as a remote unit on hub and spoke networks. SkyX 750 is perfect for hub sites or networks with higher bandwidth.

SkyX Accelerator	SkyX 250	SkyX 750
Bandwidth (Mbps)	2, 6, 10, 45	10, 45, 100, 155, 310, 620
Connection Rate (connections/second)	1,000	2,500
Max Simultaneous Connections	21,000	85,000
Max Number of Links	128	128
Physical Network Interface (Mbps)	10/100	10/100/1000
Power Supply	220W ATX	220W ATX
Dimensions	1U 431 x 270 x 44 mm	1U 431 x 500 x 44mm
Weight	5.8 KG	10.0 KG

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