



## DATAPATH | IP Accelerator

### ENHANCE NETWORK PERFORMANCE AND MAXIMIZE BANDWIDTH

#### Optimize satellite communications links with the SCPS-compliant IP Accelerator

Today's military relies on rich applications and high bandwidth systems to deliver critical voice, video and data communications. Your ability to act quickly to information requires a lightning-fast, highly-reliable communications network. In addition, you also need to manage the availability and cost of satellite bandwidth.

The SCPS-compliant DataPath IP Accelerator PEP provides a simpler, smarter approach to enhance the performance of your network. The DataPath IP Accelerator ensures faster, more reliable communications by minimizing the effects of latency and bit-error rates frequently encountered when sending TCP traffic over satellite links and other stressed network connections.

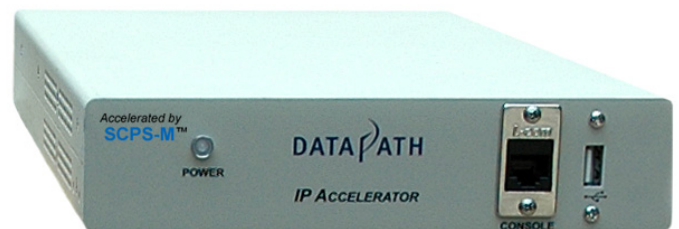
By optimizing your existing bandwidth with the DataPath IP Accelerator, you can save time, enhance effectiveness and reduce costs associated with procuring additional bandwidth. As a result, you can improve your network response times and network reliability to support greater volumes of data and larger file sizes associated with video applications.

\* Space Communications Protocol Standards – Transport Protocol (SCPS-TP)

#### AT A GLANCE ...

##### DataPath IP Accelerator

- SCPS-TP\* compliant
- Rugged MIL-STD 810 F (1/2 RU Form)
- Performance Enhancing Proxy (PEP)
- Enhances network performance
- Minimizes effects of latency and bit-error rates
- Optimizes existing bandwidth
- Improves network response times and reliability
- Supports greater volumes of data
- Intuitive, one-page graphical user interface
- Graphical display of network LAN/WAN



The SCPS-compliant DataPath IP Accelerator with PEP enhances network performance, speed and reliability by minimizing the effects of latency and bit-error rates.

### Key Features and Functionality

- Supports 5,000 simultaneous acceleration sessions
- Asymmetric routing management – downstream traffic is routed normally whether or not PEPs are present
- 802.1q VLAN trunking – recognizes and accelerates TCP traffic within IEEE 802 .1q tagged frames
- Black-hole detection and recovery – able to detect and forward traffic to non-SCPS users
- Selectable fixed or dynamic bandwidth – dynamic bandwidth automatically adjusts to traffic load
- Initial set-up wizard prompts user for required inputs

POWER SPECIFICATIONS	
AC	60 W 90/240 V *
DC	25 W 12 V
Power failure	Mechanical bypass **
* AC power adapter	
** Traffic continues to flow unaccelerated	
MECHANICAL PARAMETERS	
Form factor	½ rack unit
Height	4.3 cm (1.69 in)
Width	18.9 cm (7.45 in)
Length	38.6 cm (15.2 in)
Weight	6 lbs.
ENVIRONMENTAL PARAMETERS	
Humidity	5 - 90%* (*non-condensing)
Temperature (operational)	-20 to 65° C
Temperature (storage)	-40 to 75° C
Altitude	-15 to 4,420m (-50 to 14,500 ft.)
Vibration	Max MIL-STD 810F
Shock	Max 40G for 11 ms