

Comtech EF Data is pleased to announce the general availability of the *turboIP*-45 Performance enhancement Proxy. The *turboIP*-45 provides the same industry-leading features and functionality of the *turboIP* product, while expanding the data throughput capacity from 15 Mbps to 45 Mbps.

The large delays inherent in satellite communications result in severe throughput limitations using standard TCP/IP protocols. High error / packet loss rate conditions sometimes experienced in satellite applications add to this throughput limitation. To overcome this problem, performance enhancement proxy (PEP) algorithms are used to accelerate TCP/IP traffic in the presence of large delays and relatively high error rates, allowing data throughput to achieve the channel capacity.

turboIP-45 implements and builds upon the Space Communications Protocols Standard (SCPS). *turboIP*-45 is housed in a 1U chassis and can process up to 45 Mbps of traffic in each direction

Key *turboIP*-45 features include:

- Space Communications Protocol Standard Transport Protocol (SCPS-TP) compliant acceleration of TCP/IP traffic
- Transparently bridges UDP, IP multicast, and non-IP traffic
- Intelligent Congestion Control
- Rate Pacing or Dynamic Bandwidth (Per Connection Support)
- Selective Acceleration
- Data and Header Compression
- Path Maximum Transmission Unit (MTU) Discovery
- Up to 3200 simultaneous accelerated sessions with bypass of additional sessions
- Asymmetrical Route Management

Key *turboIP*-45 applications include:

- Commercial and Government satellite networks
- High capacity trunking of TCP-IP traffic in high latency channels

For additional detail on the features described above, please refer to the datasheet and user documentation available on our web site, www.comtechefdata.com. To place your order, please contact your Comtech EF Data sales associate.

 sales@comtechefdata.com



+1.480.333.2200



+1.480.333.2540