



XipLink

XS-Specialty Product

XA - Appliances

XO - Options

XS - Specialty Product

XE - Embedded XipOS



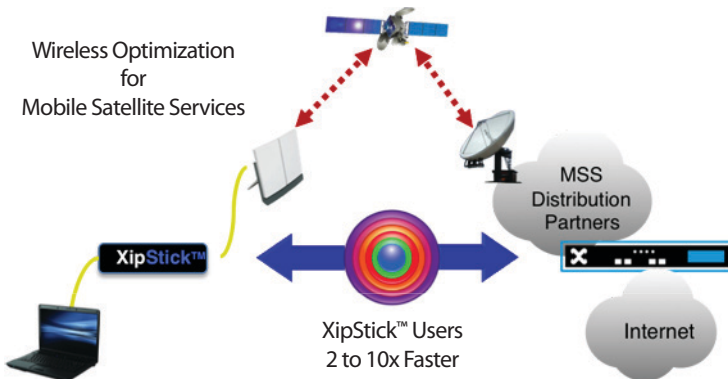
XipStick™ Portable

Maximum Capacity for MSS users Standards Based Space Communication

The XipStick™ is a self-contained portable wireless optimizer that delivers increased bandwidth and faster response times in a palm sized device for mobile users.

Once the XipStick™ is installed in-line between the remote PC or LAN and the terminal adaptor, MSS or terrestrial wireless user's can increase bandwidth from 2X to 10X for all TCP based applications.

XipLink Optimization Software (XipOS) running on the XipStick™ increases the maximum link capacity by combining protocol acceleration, streaming data compression and Internet optimizations when communicating with any other XipOS enabled device, like an XA-Appliance installed at a Distribution Partner.



XipLink, Inc. Headquarters

3981 St. Laurent Blvd.
Suite 800
Montreal, Quebec
Canada - H2W 1Y5
+1 514-848-9640

XipLink, LLC

11921 Freedom Drive
Suite 550
Reston, VA
U.S.A. - 20190
+1 703-904-4300

XipStick™ XipOS Features

SCPS-TP Protocol Acceleration

- Native SCPS-TP
- Interoperable PEP (I-PEP) Compliant
- SNACK / Ack Frequency Reduction

Advanced Data Compression

- Streaming data compression

Internet Web Optimization

- Object Pre-Fetching
- TCP Fast-Start

XipOS Transport Controls (XTC)

- Basic Rate Control
- Dynamic Rate Control

Operates over any Wireless Network

- MSS / Star / Hub and Spoke / Mesh
- Point to Point and Point-to-Multipoint

On-Board IPsec Client

- AES 128 / 256 bit and SHA 256

Hardware Specifications

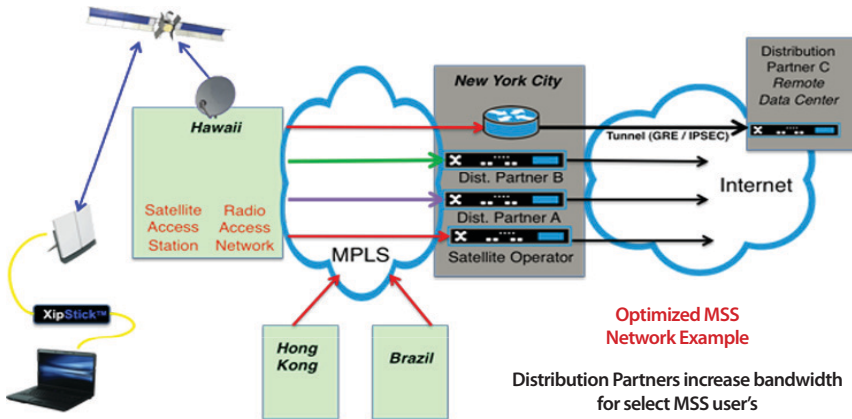
- Size - 10cm x 5cm x 2cm
- 3.5" x 2.75" x .75"
- Weight - 71 Grams / 2.5 Ozs.
- 2 Mbps and 200 Sessions
- USB (standard) or DC Power option
- Dual RJ-45 Ethernet LAN inputs
- USB as network input option



www.xiplink.com

XS-Specialty Product

XipStick™ Portable Wireless Optimizer



Based on the highest performing implementation of the Space Communication Protocol Specification (SCPS) the XipStick™ optimizes bandwidth on a connection by connection basis, transparently negotiating parameters anytime it connects to a device on a network with another XipLink product installed. XipLink Optimization Software (XipOS) modules work together to speed up TCP connections and recover from errors, while data compression reduces the number of packets sent and received, while HTTP optimization speeds up browsing.

Designed to accompany a Mobile Satellite Services (such as BGAN) terminal, the XipStick™ also works over terrestrial wireless networks like WiMax or LTE.

Any Mobile Satellite Service Distribution Partner or wireless operator can optimize any service offering by the simple installation of an XA-Appliance at the hub-side of a wireless network. With no pre-provisioning required, connections that will be optimized can be directed to the hub side appliance under control of an authentication system or using basic routing policies, enabling per-user or per-service optimization.

Logical Network Classes on each redundant hub-side optimizer allows a pair of appliances to support hundreds of users and thousands of simultaneous sessions. Multiple services like Swift and BGAN can be combined on a single appliance to deliver the industry's fastest return on investment.



XipLink Optimization Software (XipOS)

Easy to Deploy and Manage

- Completely transparent to users
- Layer 2 - Bridge installation (typical remote)
- Layer 3 IP Router installation (typical hub site)
 - RIP / OSPF/ BGP routing protocols
- Option to deploy as tunnels for out-of-path deployment
- Selective Tunneling
- Traverse NATs

Optimize any Wireless Network

- MSS Networks - Swift and BGAN
- VSAT - Star Topologies
- Mesh networks of any size
- Dedicated SCPC links
- Terrestrial Point to Point links
- Terrestrial Point to Multi-Point links

SCPS-TP TCP Protocol Acceleration

- Fast-Start algorithms
- Acknowledgment Frequency Reduction
- Selective Negative Acknowledgement

Advanced Data Compression

- Proprietary streaming data compression
 - X1 and X2 Modes for efficiency
 - Dynamic Active Resource Management

Internet Optimization

- Web Object Pre-Fetching and TCP Fast Start

XipLink Transport Controls (XTC)

- Fixed Rate Control
- Dynamic Rate Control
- Programmable Rate Control
- Basic Rate Control

Flexibile Deployment Options

- XA-Appliances - Scalable and Redundant
- XS-Specialty Products
 - XipStick Portable Optimizer
 - XS-104 Single Board Computer
- XE-Embedded XipOS
 - BSD, Linux, Windows devices