

# XipLink-X7 Xtreme Bundle Solution

When you have an extremely demanding bandwidth requirement, sometimes one is not enough. XipLink and iDirect have teamed together to create a unique solution that unites the power of two X7 satellite routers to meet the most demanding applications.

The XipLink XS-iDirect appliance is customized to channel bond and link balance two iDirect X7 remotes, doubling the combined TCP/IP downstream and upstream data rate capacity across the same link. Since this high-speed solution relies on the iDirect platform, it offers iDirect partners the flexibility to deliver extreme throughput for select remote sites while maintaining the same quality of TDMA service using existing iDirect infrastructure.

Plus, the solution offers additional XipLink optimizations, such as header and payload transmission compression, Space Communication Protocol Specification (SCPS) for TCP acceleration, and advanced website data compression.

The XipLink-X7 bundle is ideal for site deployments with heavy TCP/IP throughput, such as streaming HD television, cellular backhaul, or Internet trunking.

## Solution Benefits

- ◆ Doubles the TCP data rate performance for a remote site
- ◆ Uses existing iDirect platform infrastructure
- ◆ Minimal additional hardware to gain extreme performance
- ◆ Easy to set-up and configure

## Solution Components

- ◆ Xtreme Bundle:
  - XipLink XS-iDirect
  - Two iDirect X7 Remotes
- ◆ XipLink XA-30K (hub side)



## Additional XipLink Optimizations



### Transmission Compression

Boost bandwidth efficiency with header and payload compression



### High Capacity TCP Acceleration

Improve IP performance and lessen redundant TCP communication



### Internet Optimization

Compress downstream HTTP website data to maximize flow



### Web Data Caching

Store commonly accessed website data locally (available in future release)



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## Solution Description

The complete solution requires the following components:

A bundled package of one XipLink XS-iDirect appliance and two iDirect X7 routers is deployed at each high-speed remote site, able to consistently deliver TCP/IP downstream and upstream aggregate data rates over 90 Mbps\*. (A GigE Ethernet switch is required to connect the X7 routers to the XS-iDirect.)

A XipLink XA-30K appliance must be deployed at the hub, able to support multiple high-speed sites up to a maximum of 155 Mbps total across the network. Add XA-30K appliances as needed for more networks. The solution remains transparent, with the XipLink appliances effortlessly handling all the channel bonding and link balancing.

**Additional XA-30K  
Hub Component**



*One XipLink XA-30K appliance linked to an iDirect network can support multiple XS-iDirect sites.*



**Xtreme Bundle for  
Each Remote Site**



*A XipLink XS-iDirect appliance deployed at a remote site bonds and link balances two iDirect X7 routers, doubling the data rate capacity.*

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