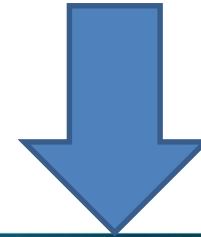


nxLink Product Update

STAC Spring NYC 2019



Enyx Products Overview



Today, we'll talk about
our Network Products

nxAccess
TRADE

nxFeed
DISTRIBUTE

nxLink
CONNECT

Tech & Ip Cores
DEVELOP

What is nxLink ?

- nxLink products are FPGA smart-switch applications for the enterprise, to be deployed on Arista 7130 Series.
- Our current applications are :



Bandwidth Sharing for RF Links



Fiber Arbitration for Link redundancy

Cool & Key Features

- **Latency:**
 - **516 ns** User-to-User latency for 1 Byte payload over 10G radio interface (Micro-wave)*
 - **626 ns** User-to-User latency for 1 Byte payload over 1G radio interface (Millimeter-wave)*
- **Bandwidth:**
 - On compatible 1G Layer 1 radios, use nxLink special encoding to get up to 1,2Gb/s of useable bandwidth.
- **Monitoring:**
 - Live monitoring of radio link latency
 - Historical data + graphs to monitor congestion

They Trust Us



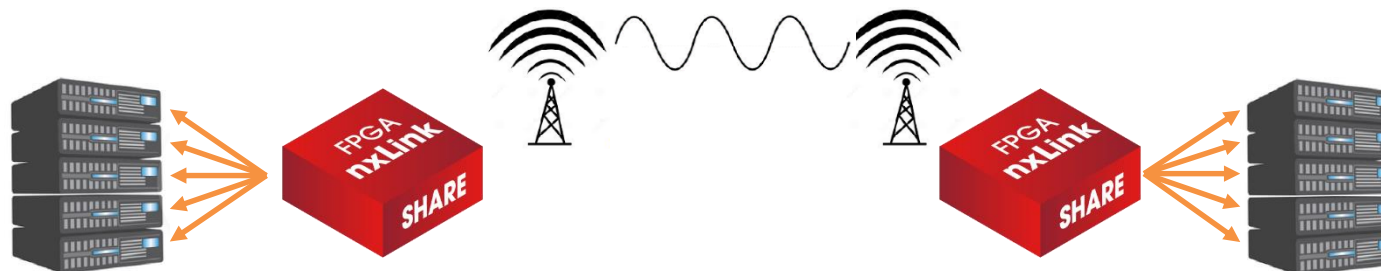
BSO



London
Stock Exchange

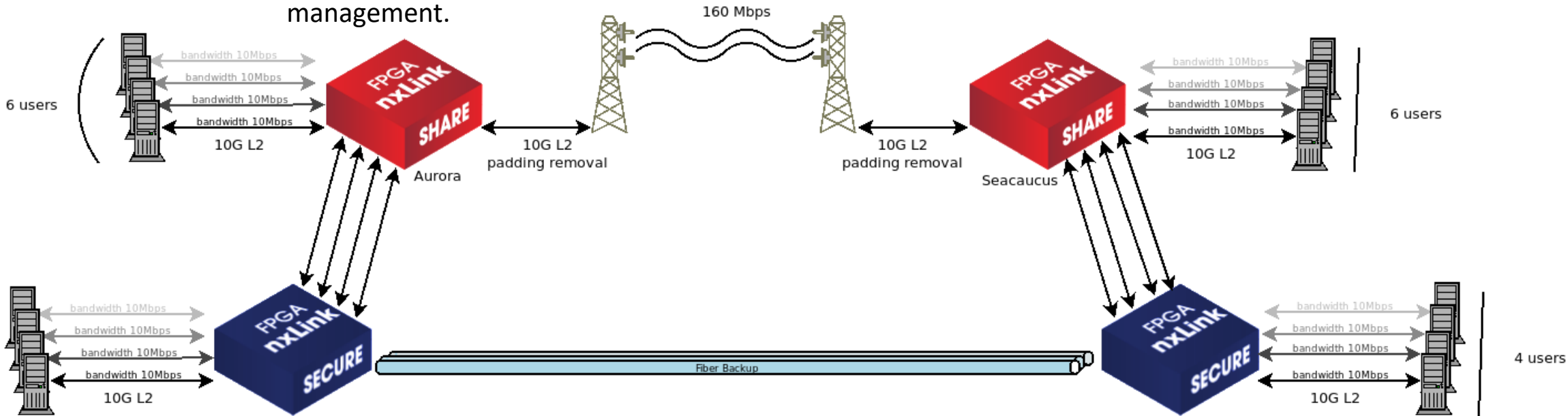


ICE DATA SERVICES™



Cool & Key Features

- **Latency:**
 - Adding **200 ns** User-to-User latency for 64 Byte payload on Arista 7130 L *
- **No duplicates:**
 - nxLink secure duplicates packets in input and perform de-duplication on the receiving device.
- **Integration with Share:**
 - nxLink Share will monitor a packet time spent in input buffers. If the total time spent in buffer + transmit time over RF is higher than the fiber path, the packet is dropped and never sent over RF.
 - Enable optimal management of raw market data over wireless with low available bandwidth and smart burst management.



* NOT A STAC BENCHMARK

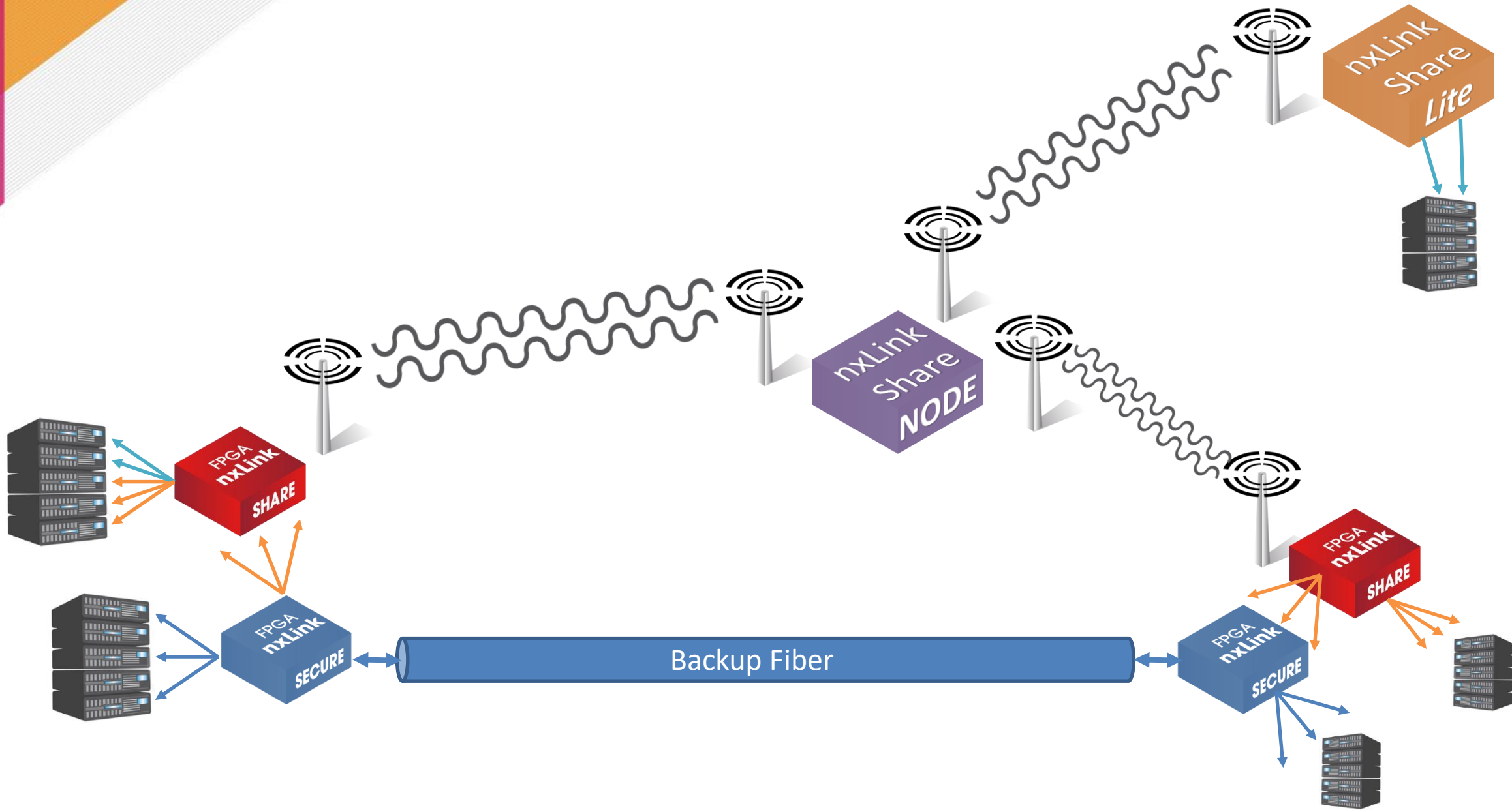
Arista 7130 L Series Support

- Introducing **nxLink Share Lite**, on 7130 48L, available for order today.
 - 12 Physical user ports, 1 radio trunk
 - Same Latency Performance and monitoring features
 - Cheaper hardware 😊
- **nxLink Share Node** : New Smart routing node for 1G radios compliant with Enyx specific encoding.
- **nxLink Secure** now available on the 7130 48L Series

nxLink

- **Share Enterprise**
- **Share Lite**
- **Share Node**
- **Secure**

nxLink deployment use case



- Support for **the Arista 7130 48EH**, 3 x FPGA platforms
 - Get nxLink Share, Secure, and Arista Mux in one device.
 - Mix and Match any available nxLink applications on one single platform
- **nxLink Filter**, a simple raw market data filtering application. Choose your market feed and get Enyx to provide you a customized application tailored to your use case and the feed, easy to deploy on Arista 7130 supported platforms.



IT'S NOT WHAT YOU BUILD.

IT'S WHAT YOU BUILD NEXT.