

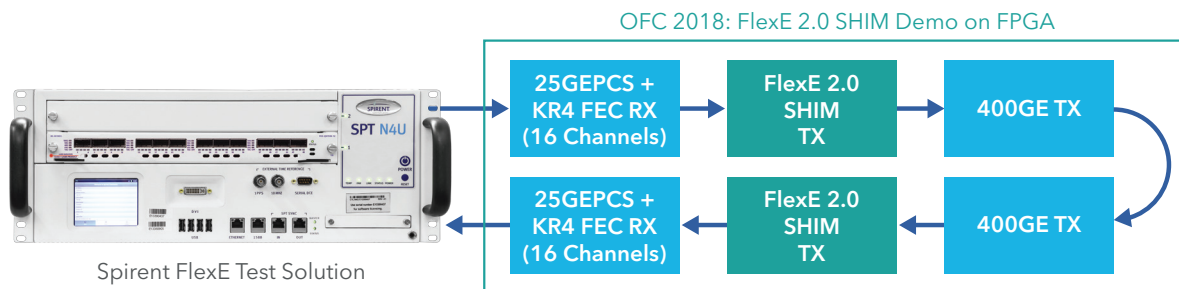
Flex Ethernet (FlexE) Demo

Spirent and Precise-ITC

Background

The High-Speed Ethernet (HSE) market is continuously evolving due to the growth in bandwidth needs. Spirent provides next-generation equipment so major chip set manufacturers, network equipment manufacturers, and service providers can be ready for the next wave of speeds to meet the demands of their customers. FlexE is a key technology used in various industries for high density requirements to deliver faster network speeds vs emerging Ethernet solutions.

Spirent and [Precise-ITC](#) have been partners for many years and annually demonstrate the latest platforms at **Optical Networking and Communication Conference & Exhibition (OFC)**. In March 2018, they demonstrated the latest FlexE 2.0 IP core targeted to higher bandwidth PHY's.



Demo Details

Spirent FlexE Test Solution:

- Generating 16 x 25GE signals
- Monitoring 16 x 25GE signals

Precise-ITC IP in FPGA

- RX path: receiving 16 x 25GE signals and mapping them onto 400GE via FlexE 2.0 TX SHIM with 25G calendar slots
- 400GE signal looped back at FPGA 26.5G SerDes
- TX path: receiving 400GE and demapping 16x 25GE signals via FlexE 2.0 RX SHIM, then sending 16 x 25GE signals out



"It's an exciting time as Ethernet speeds continue to evolve, and more of our customers and partners continue to develop solutions to meet future network requirements. Spirent's test capability makes us the right partner for companies racing to bring their leading-edge network technologies to market first."

Abhitesh Kastuar, General Manager of Spirent's Cloud and IP Business Unit

"We see this as an important step in the deployment of next generation network slicing services where performance and ease-of-integration provides our partners with a competitive advantage and time to market advantage in the test equipment space."

Murray Baldock, VP Business Development at Precise-ITC