

# Spirent 400GbE **BOOST** Test Solution

Industry's Most Advanced Layer 1-2 Performance and Functional Test Solution

## Features

- Two ports per slot
- 400G MAC
- Generate a single stream at 400Gb/s or multiple streams that aggregate to 400Gb/s
- 400GbE PCS based on draft IEEE 802.3bs standard
- Transmit and Receive Ethernet frames from 64 to 16K bytes
- User controlled clock adjustment
- Industry leading port and stream statistics
- Layer 1 statistics and tools to aid link troubleshooting
- User-defined frame contents
- Wire-rate capture
- CFP8 optics

## Benefits

- Test early pre-standard 802.3bs implementations
- Spirent **BOOST** program evolves your test solution as the IEEE and MSA standards move toward completion
- Fits into existing Spirent TestCenter chassis and interoperates with Spirent's hardware and virtual test solutions

400G network devices will help address the expanding demands for network link speeds expected to exceed 1 Tb/s this decade according to the IEEE. Testing is the fundamental building block to delivering reliable, high-performing systems and starts with validating the link's ability to pass up to line rate traffic as well as testing the functionality, performance, scalability and QoE of the upper-layer engines that deliver services

**Spirent is your partner for industry-leading Ethernet products.** Spirent's track record of first-to-market high speed Ethernet test products includes the first public demonstration of 400GbE interoperation with a core router in June, 2014 and the Best of Interop award in 2015. Spirent's industry-leading early releases of CFP2, CFP4 and QSFP28 helped our customers launch their own first-to-market implementations.

**Spirent TestCenter is the right choice for next generation network testing.** Spirent leads the high-speed Ethernet test industry in port density, accuracy, high performance and affordable cost of ownership – supporting more than double the number of 100G ports per slot as the nearest competitor. The 400G test solution relies on this same platform and does not suffer any chassis slot restrictions. The Spirent TestCenter timing, power and cooling infrastructure is ready for 400GbE and beyond.

**Be first to market with Spirent **BOOST**.** It is the only solution available that will accelerate your time to market by supplying pre-standard hardware and software when you need it. The **BOOST** solution allows you to protect your investment in high speed test equipment by evolving both the hardware and software with the emerging standards. To learn more about the **BOOST** program visit <http://www.spirent.com/boost>



*Pictured configuration shows SPT-N4U-110 and two NGB-400G-P2 test modules*

# Spirent 400GbE BOOST Test Solution

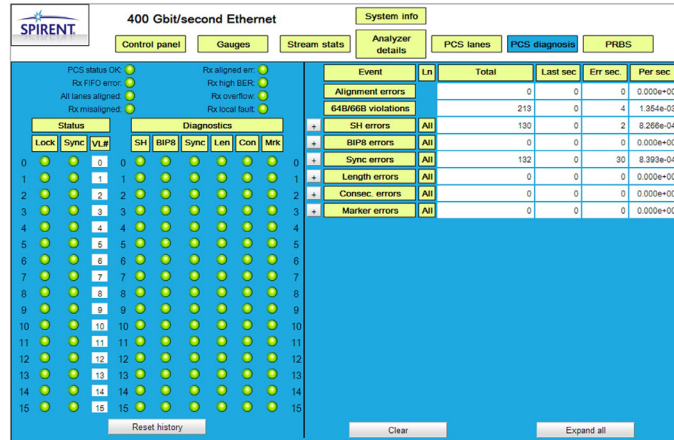
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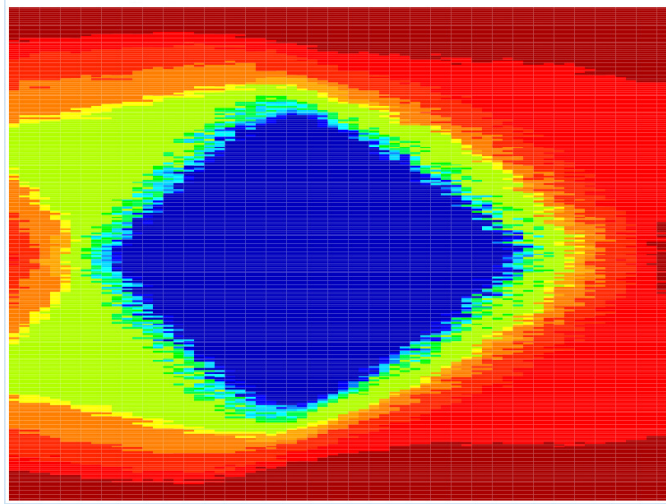
Spirent **BOOST** allows technology innovators early access to test equipment for fast developing networking specifications such as 2.5G, 5G, 25G, 50G and beyond.

Spirent's 400GbE **BOOST** program is a multi-year solution that supplies the necessary hardware and software to conduct 400G testing today and to protect your investment as IEEE and MSA standards evolve.

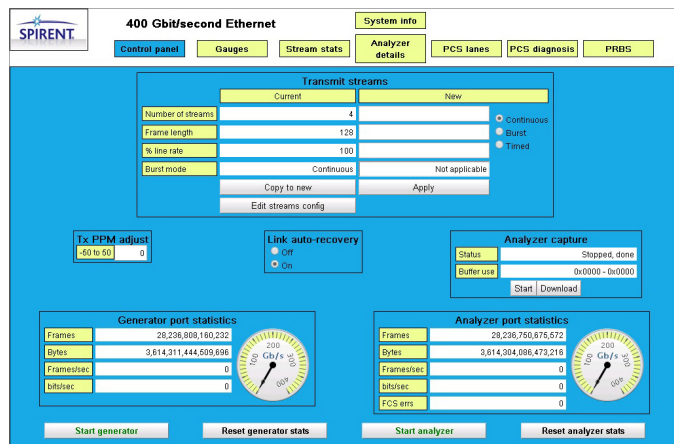
To **BOOST** your 400G product visit our web site at <http://www.spirent.com/boost>



The advanced PCS diagnosis screen provides all the tools needed to examine PCS problems for each of the 16 lanes



Spirent's **BOOST** interface allows testers to view a basic eye diagram for each of the 16 lanes



The 400G setup includes the ability to set the number of streams, rates, frame contents, frame size plus indicators for port traffic statistics

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