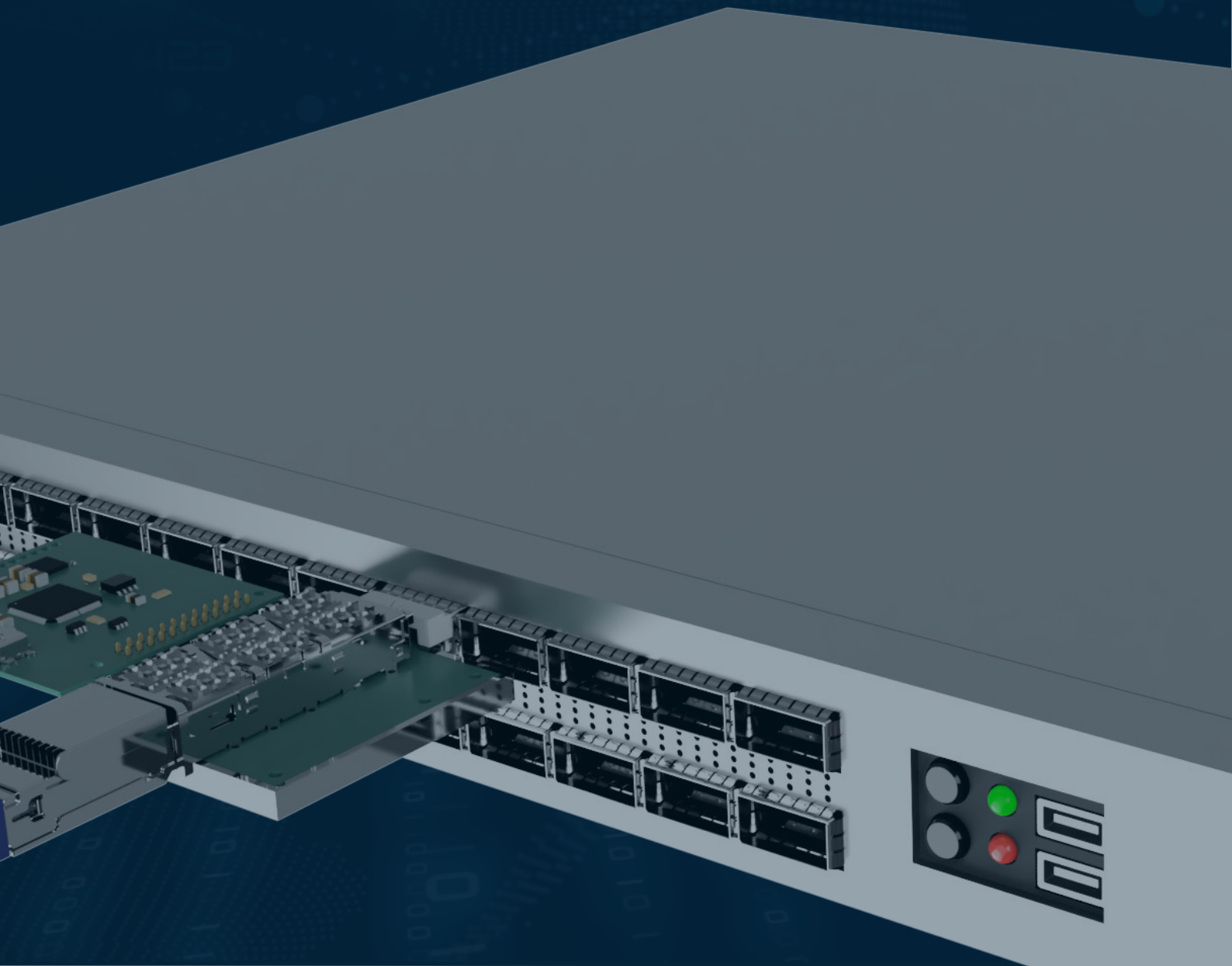




# ENGINEERING TEST SERVICES

## BROCHURE | 2024



## **ABOUT US**

Since 2006, MultiLane has been offering high speed test and measurement equipment for data communications. We help chart industry evolution and accelerate the adoption of new technologies with a complete cycle support of data center test solutions encompassing IC and transceiver characterization, host line card testing, and link testing. We provide a range of form factors and architectures, from portable instruments, to stand-alone bench top instruments to automated test platforms. We also assist our customer base with compliance and interoperability test services. We serve developers, module vendors, network installers, and data center operators with high-performance, reliable equipment at an attractive price-point. MultiLane provides leading-edge solutions for the latest data center technologies and well-established technologies, from 800G at 112Gbps/lane to industry-first 1.6T thermal testing solutions, with a comprehensive set of development solutions for MSAs ranging from SFP, DSFP, QSFP, QSFP-DD, QSFP-DD800, and OSFP800.

The MultiLane portfolio encompasses optical and electrical oscilloscopes, bit error rate testers, time domain reflectometers (TDR) for TIA and cable testing, interconnect products, as well as fully automated DAC and transceiver test solutions, and compliance test services for 100G and 800G technologies. Developers, manufacturers, and installers of these new technologies all need the wide portfolio of solutions to be able to do their jobs successfully.

## **MULTILANE EXPERTISE AT YOUR FINGERTIPS**

With a decade of experience developing solutions at the forefront of the industry, MultiLane has cultivated a wealth of engineering and high speed physical layer testing expertise that stands ready to be placed at your fingertips. MultiLane Engineering Test Services leverage Tier-1 instrumentation solutions to ensure optical transceivers, cables, and systems adhere to the highest industry standards.

# Test as a Service

MultiLane Engineering Test Services (ETS) are committed to confidence, enabling accelerated pluggable development and qualification thanks to comprehensive compliance testing and team augmentation.

## Compliance Testing

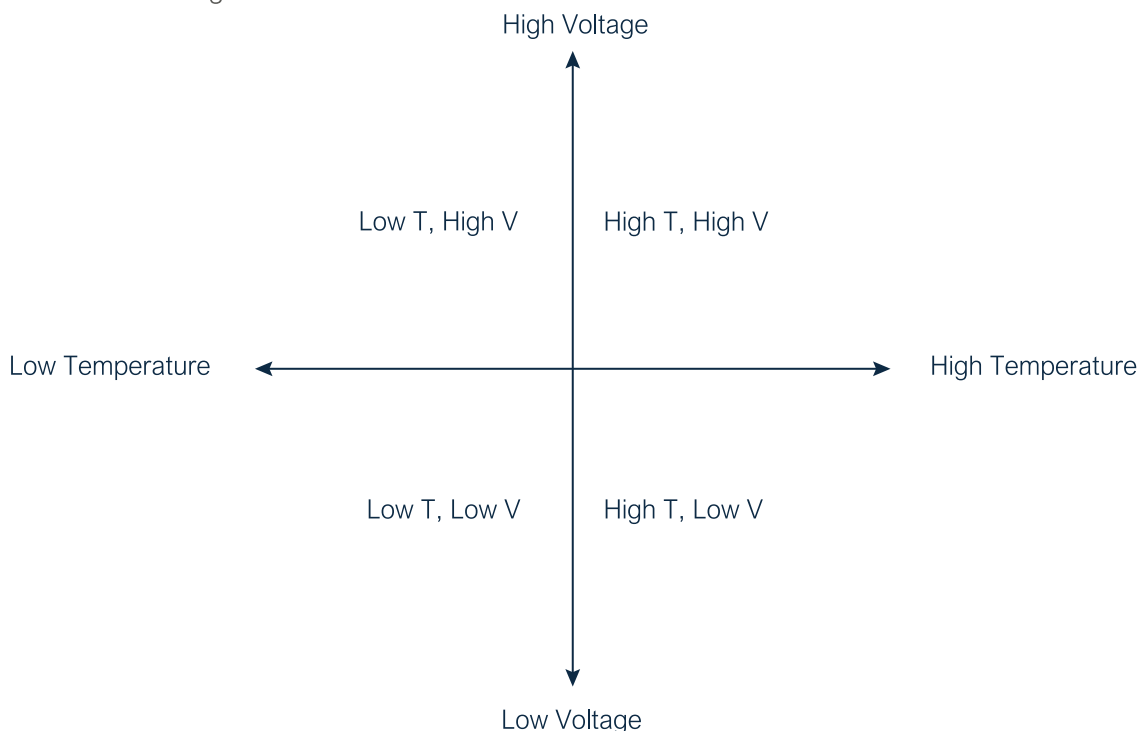
Multilane compliance testing services encompass the entire spectrum of Tx and Rx testing for transceivers, cables and modules ranging from 1G to 800G; covering rigorous evaluations for electrical, optical and environmental measurement as well as extensive testing capabilities for jitter and noise analysis.

Available Tests:



MultiLane multi-corner environment tests allow for a fully customisable approach to seeing how devices perform in a variety of situations, with any combination of the following factors:

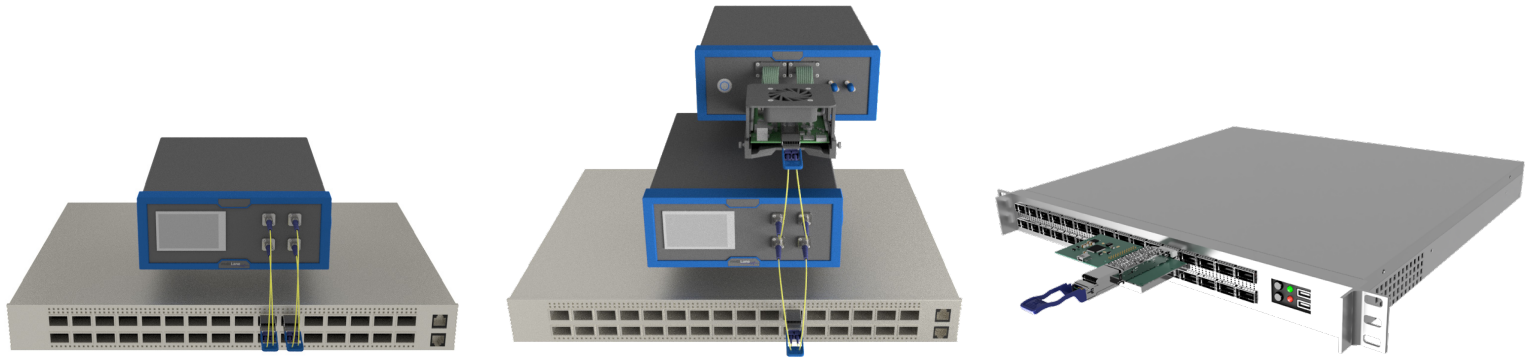
- High, low, or nominal temperature
- High, low, or nominal voltage



# Interoperability Testing

MultiLane interoperability services offer a range of custom testing approaches for a number of different parameters for host and module interoperability including:

- Switch BER
- Pre/Post-FEC Link Testing
- CMIS Testing



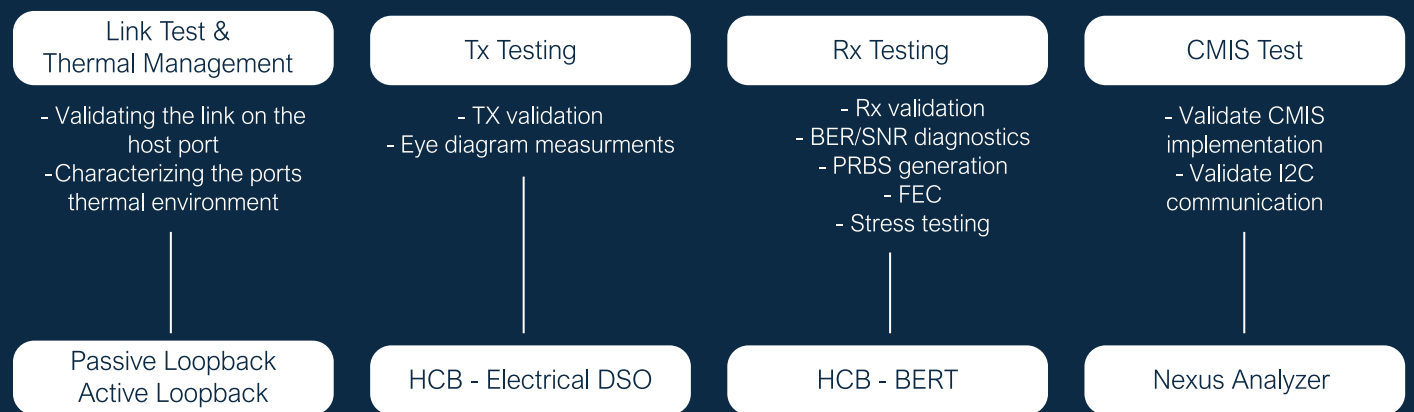
Switch BER

Pre/Post-FEC Link Testing

CMIS Testing

# Physical Layer Testing

MultiLane can use its extensive suite of home-grown testing tools to provide a variety of detailed physical layer testing options.



# multiLane



**For technical info**  
[fae@multilaneinc.com](mailto:fae@multilaneinc.com)

**For sales support**  
[sales@multilaneinc.com](mailto:sales@multilaneinc.com)

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