

# Fibre Channel and Ethernet SAN Delay Emulator

## Applications

- ◆ Application End-User Experience and system throughput performance validation against real-world network scenarios
- ◆ Disaster Recovery Planning
- ◆ SAN Storage Extension and Data Center consolidation validation
- ◆ Post-deployment problem replication and troubleshooting
- ◆ Proof of Concept Testing
- ◆ Powerful marketing and sales customer demonstrations

## Feature Highlights

- ◆ 32G, 16G Fibre Channel plus 25G Ethernet support
- ◆ Programmable Layer 1 delay generation
- ◆ Bit error insertion (invert, ones, zeroes, PRBS)
- ◆ Link break control (manual and burst duration)
- ◆ Intuitive HTML5 browser-based GUI with full RESTful API
- ◆ Hardware-based (FPGA) architecture for true line-rate performance and physical layer timing transparency (pass through)
- ◆ L2+ protocol-agnostic operation

## Overview

Aukua Systems’ Fibre Channel and Ethernet SAN Delay Emulator is a powerful and easy to use network, or WAN delay emulator that operates on the Aukua XGA4250 platform.

Today’s Enterprises demand fast, secure, and reliable access to business critical data that is increasingly distributed across many geographic locations. This challenge requires innovative test and validation tools that help to bring next generation Fibre Channel and Ethernet based Storage Area Network (SAN) solutions to market faster, while reducing risk, and increasing confidence.

Aukua’s Fibre Channel and Ethernet SAN Delay Emulators help solve this by accurately bringing the ‘real-world’ network to your R&D and validation labs in terms of delays and impairments. Aukua emulators allow you to empirically characterize and prove these storage solutions are able to deliver the end-user’s expected performance even across Wide Area Networks (WAN), by using a programmatic and repeatable test methodology from the comfort of your lab.

Aukua emulators simplify proving disaster recovery plans, data center migration or consolidation plans. Aukua also enables more realistic proof-of-concept testing of new solutions and technologies. And additionally, Aukua emulators allow for faster troubleshooting of post-deployment issues by bringing the real-world to the lab, thereby greatly reducing mean-time-to-repair (MTTR).

Aukua’s XGA4250 hardware platform architecture delivers true line-rate performance regardless of configuration, includes an intuitive HTML5 user interface, and supports a full RESTful API allowing complete automation capability. And the optional Ethernet Inline Capture and Protocol Analyzer, Ethernet Traffic Generator, and Ethernet Network Impairment Emulator application packages add even more power and flexibility.

## Supports both Fibre Channel and Ethernet!



Aukua XGA4250

**Contact Aukua Systems to request the full  
Product Brief!**

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Product description, features and specifications are subject to change without notice.  
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