Torridon 12G HS Lite Drive Control Modules

Hot-Swap automation for SAS and SATA drives

Reduce Time to Market

Cut time to market by 20% for new products by automating manual test procedures

Reduce Capital Costs

Faster and more detailed testing with Torridon means fewer test systems are required in the lab

Reduce Human Error

Removing human intervention during tests increases consistency and results in far fewer mistakes. Test scripting provides logging and 100% repeatability

Increase Product Reliability

Advanced techniques, such as bounds testing and fault injection provide a higher level of confidence and reduced field returns

Torridon Drive Control Modules:
The industry's first automated solution for hot-swap testing. Drive Modules vastly increase the speed of testing and introduce a level of repeatability and precision that is impossible during manual tests.

Complete Automation:
Any test that requires manual intervention to pull or plug a drive can now be fully automated.

Simple Integration:
The Torridon System works with your existing automated test setup and integrate with minimal effort. A simple command set allows for easy scripting. Quarch provides full support as standard while you get started

Who Can Benefit?
Enclosure Manufacturers
RAID Developers
Storage System Integrators
Drive Qualification Labs
Silicon Manufacturers
Software/Driver Designers

Torridon SAS 12G HS Lite Drive Control Modules

Interface Specification

Power
▶ Supplied from Torridon Interface Card or Array Controller

Comms
▶ USB/Serial with Interface Kit
▶ Telnet/USB/Serial with an Array Controller

Drive Compatability

Sizes
▶ 2.5" form factor (also compatible with 3.5" drives)

Drive Connections
▶ SFF-8680 and compatible

Speed
▶ Up to 12Gb/s

Switching

Switches
▶ High Speed FETs and RF Switches
▶ Low insertion loss, Flat frequency response

Switched Pins
▶ All precharge, power and high speed SAS data pins. Vendor specific pins on request

Timing Specification

Timers
▶ 6 Independent timers for multi stage hot-swap

Timing resolution
▶ 1mS

Pin-bounce modes
▶ Not available on Lite control modules

Manual Mode
▶ Full manual connection control for fault injection and bugged hardware generation

Physical Dimensions

QTL1623
▶ 69.1mm x 15.mm
▶ Drive offset by 14mm

Support and Utilities

Phone and email support direct to the engineers as standard

Tutorials, example scripts, PERL and C# code can be supplied

Ordering Information

QTL1623

Single units
▶ Ideal for bench testing, debugging and evaluation
▶ Order with Torridon Interface Kit QTL1260

Multiple units
▶ Run from a Torridon Array Controller for synchronized testing of large disk arrays
▶ Order with Torridon Array Controller QTL1079 or QTL1461

Sales

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