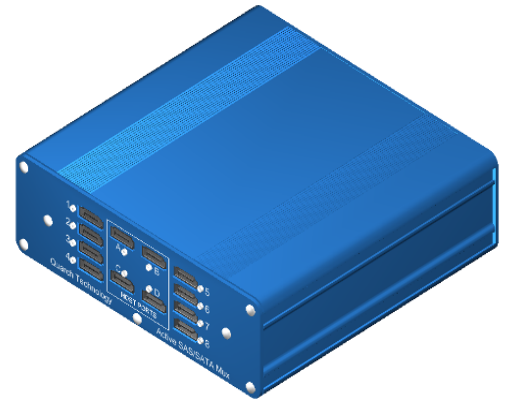


Active SAS/SATA Multiplexer Module



Automatically and remotely configure paths
between 4 Initiator and 8 Target ports



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. Less engineering time is required to run the tests

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

Test a larger number of device configurations to find problems earlier in the development cycle.

Torridon Multiplexer Modules:

Automated solution for running test cases on multiple Initiators and Targets, Reconfigure data paths automatically during a test.

Complete Automation:

Any test that requires reconfiguration of SAS or SATA data paths can now be fully automated.

Simple Integration:

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

Who Can Benefit?

Hardware designers
System Integrators
Hardware Qualification Labs
Silicon Manufacturers
Firmware/Driver Designers

Torridon Active SATA Multiplexer Module

Interface Specification

Power

- ▶ Supplied from Torridon Interface Card or Array Controller
- ▶ Optional Integrated PoE/USB model available

Comms

- ▶ RS232 Serial
- ▶ USB
- ▶ Telnet (With a Torridon Array Controller or POE option)

Ports

Interfaces

- ▶ single lane SATA Cable

Speeds

- ▶ 1.5Gb/s, 3Gb/s, 6Gb/s, SAS or SATA

Ports

- ▶ 4 Initiator Ports
- ▶ 8 Target Ports

Switching

Crosspoint Switch

- ▶ The internal crosspoint switch can connect any Initiator port to any target port
- ▶ Received data can be sent to multiple ports to connect analysers or other test equipment without further disrupting the signal path

Control

- ▶ Each path may be configured by a simple terminal command

Signal Conditioning

Signal Conditioning

- ▶ Programmable Equalisation and Pre-Emphasis is available on each port
- ▶ Each signal is re-driven by the module but not re-timed, resulting in high signal quality whilst preserving the timing characteristics of the original signal

Physical Dimensions

- ▶ Length 164.5 mm
- ▶ Width 169.8 mm
- ▶ Height 53.5 mm

Ordering Information

QTL1390 - Active SATA Mux with Torridon Interface Cable

QTL1475 - Active SATA Mux with integrated POE and USB

Quarch Technology Ltd

UK Sales / Technical Enquiries
+44 1343 508 140
enquiries@quarch.com

US Sales Office
+1 617 245 0528
us_enquiries@quarch.com

<http://www.quarch.com>