OakGate OCP Cloud SSD v2.0 Compliance Test Suite
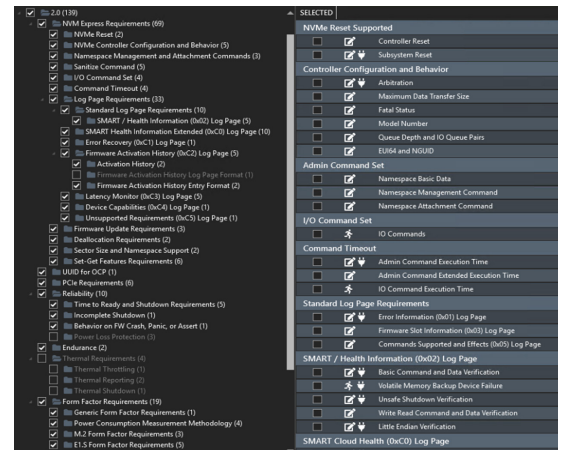## for Enterprise-level Storage Devices

Key Features

- 130+ Compliance Tests
- Standalone Application
- Custom Installer
- Supported on OakGate SSD Test Appliances running SVF/Enduro
- Test category coverage:
  - NVMExpress Requirements
  - UUID for OCP
  - PCIe Requirements
  - Reliability
  - Endurance
  - Thermal Requirements
  - Form Factor
  - SMBus
  - Security
  - Labeling
- Based on OCP v2.0 Cloud SSD Specification

The Teledyne LeCroy Open Compute Project (OCP) v2.0 Cloud SSD Compliance Test Suite meets the unique needs and feature set of Hyperscale Data Centers compliance testing and provides an unprecedented level of functionality, performance, and ease of use for testing enterprise storage devices.

Hyperscale data centers host servers and storage networks supporting large-scale cloud, server, and storage needs. They serve a critical role in business and industry as they remain vigilant in cloud stability, security, up-time, and performance.

Hyperscale data centers maintain and manage large, enterprise-level, SSD systems and have specific needs managing SSDs at scale. Ensuring SSD compliance and functionality is key to optimize efficiency and reduce the risk of the interruption of data flow.

The newly ratified OCP Cloud SSD specification was developed by industry leaders to address large hyper-scaling applications and align the with industry trends. Testing for compliance using the OCP Cloud SSD v2.0 Compliance Suite software is key to achieving these goals. This collaboration leads to improvements in workload throughput and reduced latency.

Teledyne LeCroy's OCP v2.0 Compliance Suite can be licensed with OakGate SSD Test Solutions, used by the world's most prominent solid-state storage suppliers.

OCP Cloud Test Services are also offered through Teledyne LeCroy's Austin Labs, the premier third-party test and validation center for storage devices, to help customers deliver fully tested products to market on time and within budget. Teledyne LeCroy's Austin Labs is designed for highly accelerated testing, interoperability, and validation of enterprise products and solutions.

Software Features

NVMe Tests	PCIe® Requirements	Endurance Tests	SMBus
• NVMe Resets	• PCIe Maximum Payload Size Requirements	• Endurance Data	• Data Verification
• NVMe Controller Configuration & Behavior	• PCIe TLP completion timeout Requirements	• End of Life	• FW Update Verification
• NVMe Admin Command Set	• PCIe Resets Requirements	**Thermal Requirements**	• Secure Boot Failure
• Sanitize Command	• Boot Requirements	• Thermal Throttling	• Data TTR Verification
• I/O Command Set	• PCIe Error Logging	• Thermal Reporting	• Invalid Transaction
• Command Timeout	• Low Power Modes	• Thermal Shutdown	**Security**
• Log Page Requirements	**Reliability**	**Form Factor Requirements**	• Unsupported Features and Commands
• Firmware Update Requirements	• Time to Ready and Shutdown	• Generic Form Factor Requirements	**Secure Boot**
• Deallocation Requirements	• Incomplete Shutdown	• Power Management	• Unsecure Drive Verification
• Sector Size and Namespace Support	• Behavior on FW Crash Panic or Assert	• M.2 Form Factor Requirements	• Rollback Prevention
• Set/Get Features Requirements	**Power Loss Protection**	• E1.S Form Factor Requirements	• Secure Drive Verification
UUID for OCP	• Data Integrity	• E1.L Form Factor Requirements	**TCG**
	• IO Latency and Performance	• U.2-U.3 Form Factor Requirements	• Basic Security TCG
	• Drive Behavior in case of PLP Failure		**Labeling**
			• Label Requirements

Ordering Information

Product Description	Product Code

OCP Compliance Software Suite – Perpetual Licenses
OCP Cloud SSD v1.0A Base Compliance Test Software License (includes one License USB Dongle)   OGT-OCP100-SW-BASE
OCP Cloud SSD Compliance Test Software Upgrade License to v2.0 (requires OGT-OCP100-BASE-SW)   OGT-OCP200-SW-OPT
(includes support for OCP v1.0A and v2.0, and future enhancements)

OCP Compliance Software Suite – Term Licenses
OCP Cloud SSD Compliance Test Software Annual Term License   OGT-OCP200-SW-TERM-1YR
OCP Cloud SSD Compliance Test Software Annual Term License Additional 1 Year   OGT-OCP200-SW-ADD-1YR
(includes support for OCP v1.0A and v2.0)

Compatible Gen4 and Gen5 SSD Test Appliances
OakGate Gen5 3U Rack-mount Appliance Basic Model   OGT-R300-G5-BASIC
Oakgate Gen 5 3U Rack-Mount Appliance Professional Model   OGT-R300-G5-PRO
Oakgate Expandable Desktop Appliance Basic Model   OGT-DE200-G5-BASIC
Oakgate Expandable Desktop Appliance Professional Model   OGT-DE200-G5-PRO
OakGate Gen4 DE200 Desktop Appliance   OGT-DE200-G4
OakGate Gen4 R300 Rackmount Appliance   OGT-R300-G4

Compatible Gen4 and Gen5 Modules and Expansion Enclosures
OakGate modules and expansion enclosures supports ALL connector types and form factors for Gen4: U.2, M.2, U.3, E1.S
(E1.L-ruler format-is supported in the Expansion Enclosures only)

Local sales offices are located throughout the world. Visit our website to find the most convenient location.
1-800-5-LeCroy • teledynelecroy.com

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