

# OakGate OCP Cloud SSD v1.0a Compliance Test Suite for Enterprise-level Storage Devices

## Key Features

- 90+ Compliance Tests
- Standalone Application
- Custom Installer
- Supported on OakGate SSD Test Appliances running SVF/Enduro
- Test category coverage:
  - PCIe
  - NVMe
  - Security
  - Power
  - Endurance
  - Thermal
  - SMBus
  - Reliability
  - Form Factor
  - Labeling
- Based on OCP v1.0a Cloud SSD Specification

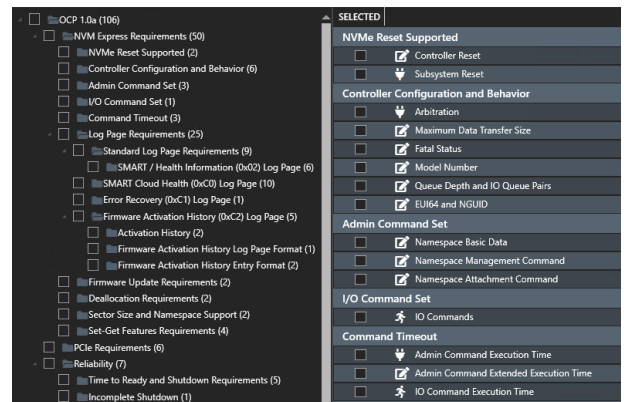


**OPEN**  
Compute Project

**The Teledyne LeCroy Open Compute Project (OCP) v1.0a 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 v1.0a Compliance Suite software is key to achieving these goals. This collaboration leads to improvements in workload throughput and reduced latency.

Teledyne LeCroy's OCP v1.0a 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                                 | Form Factor Tests                    | Endurance Tests        | PCIe Tests                            |
| • NVMe Resets                              | • Generic Form Factor                | • Endurance Data       | • PCIe Maximum Payload                |
| • NVMe Controller Configuration & Behavior | • M.2 Form Factor                    | • End of Life          | • PCIe TLP Completion                 |
| • NVMe Admin Command Set                   | • E1.S Form Factor                   | <b>Thermal Tests</b>   | • PCIe Resets                         |
| • I/O Command Set                          | • E1.L Form Factor                   | • Throttling           | • Boot                                |
| • Optional NVMe Support                    | • Power Management                   | • Reporting            | • PCIe Logging                        |
| • Command Timeout                          | <b>SMBus Tests</b>                   | • Shutdown             | • Low Power Modes                     |
| • Log Page Requirements (SMART commands)   | • SMBus Verification<br>• Codes      | <b>Labeling Tests</b>  | <b>Reliability Tests</b>              |
| • Firmware Updates                         | • SMBus Firmware Update Notification | • Manual Inspection    | • PERST                               |
| • Deallocation                             | • SMBus Data Verification            | • Barcodes             | • Controller Status Ready             |
| • Sector Size and Namespace Support        | <b>Security Tests</b>                | • Identity Command     | • Shutdown Notification and Status    |
| • Set/Get Features                         | • Unsupported Command Verification   | <b>Endurance Tests</b> | • Device Stability and Data Integrity |
|  | • Unsupported Feature Verification   | • Endurance Data       | • Fatal Status                        |
|  | • Unsupported Log Page Verification  | • End of Life          |                                       |

## Ordering Information

### Product Description

#### OCP Compliance Software Suite – Perpetual Licenses

OCP Cloud SSD v1.0A Base Compliance Test Software License (includes one License USB Dongle)  
 OCP Cloud SSD Compliance Test Software Upgrade License to v2.0 (requires OGT-OCP100-BASE-SW)  
 (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  
 OCP Cloud SSD Compliance Test Software Annual Term License Additional 1 Year  
 (includes support for OCP v1.0A and v2.0)

#### Compatible Gen4 and Gen5 SSD Test Appliances

OakGate Gen5 3U Rack-mount Appliance Basic Model  
 Oakgate Gen 5 3U Rack-Mount Appliance Professional Model  
 Oakgate Expandable Desktop Appliance Basic Model  
 Oakgate Expandable Desktop Appliance Professional Model  
 OakGate Gen4 DE200 Desktop Appliance  
 OakGate Gen4 R300 Rackmount Appliance

#### 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)

### Product Code

OGT-OCP100-SW-BASE  
 OGT-OCP200-SW-OPT

OGT-OCP200-SW-TERM-1YR  
 OGT-OCP200-SW-ADD-1YR

OGT-R300-G5-BASIC  
 OGT-R300-G5-PRO  
 OGT-DE200-G5-BASIC  
 OGT-DE200-G5-PRO  
 OGT-DE200-G4  
 OGT-R300-G4



Local sales offices are located throughout the world.  
 Visit our website to find the most convenient location.

1-800-5-LeCroy • [teledynelecroy.com](http://teledynelecroy.com)



**TELEDYNE LECROY**  
 Everywhereyoulook™