



ULINK Technology, Inc.
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DriveMaster Release

DM 2015 SATA/SAS/NVMe:
v7.1.1180

Test Suite Release

ULINK SATA Protocol: v5.6
ULINK SATA Regression: v4.5
ULINK SAS Protocol: v3.0
ULINK NVMe Regression:
v1.6

TCG Opal App Note
(NVMe/SATA): v3.0

TCG ENT App Note
(SAS/SATA): v3.0

TCG Opal Test Case
(SATA): v3.3
(NVMe/SATA): v4.5

ULINK TCG/IEEE1667
(SATA): v2.4
(NVMe/SATA): v3.5

→ DriveMaster 2015 Professional SATA

DriveMaster Professional SATA is the most popular software test tool for SATA storage device. On this test platform, the user is able to test ATA and Serial ATA Protocol as well as SATA IO Logo compliance and TCG function validation.



The release of DriveMaster 2015 added the following security testing capabilities and SATA hybrid features:

- Rebuild Assist feature set
- Hybrid Info feature set
- NCQ Encapsulation commands

New ATA Features:

- Set Date & Time commands
- Accessible Max Address Configuration feature set
- ZAC, Zoned-device ATA Command Set
- Download and Activate Microcode
- DSM and DSM XL commands
- Sanitize Zoned No Reset and AntiFreeze Lock
- Security Erase Unit support ZAC
- SCT Write Same and SCT Error Recovery Control

→ DriveMaster 2015 NVMe with Native Mode

ULINK first introduced DriveMaster for NVMe in 2014. Since then, many new features have been added.

In early 2016, a native driver mode version was introduced and now more enhanced commands are available with the latest release of DriveMaster 2015 NVMe (7.1.1180).



New Features:

- NVM Express Revision 1.2 Compliance
- NVMe HBA Reset/ Identify/ Status Info.
- NVMe Read/Write Queue Command
- Support Vendor Unique Command
- More than 100 NVMe commands and variables
- Allow access to NVMe HBA register

Testing Applications:

- NVMe Power Cycle Test

ULINK TCG Enterprise
(SAS/SATA): v2.2

SATA-IO Device Digital:
v2.6
SATA-IO Host Digital: v1.8a

- NVMe Command Validation
- TCG Opal and Pyrite Validation
- Data Integrity and Endurance Test

[Please click here for details](#)

→ NVMe Protocol Test Suite

ULINK is pleased to announce that the long awaited NVMe Protocol Test Suite is now available.

The highlights of this test suite include:

- Controller Capabilities verified
- Identify
- Get Log/ Get Set Feature
- Read/Write/Flush
- Write Uncorrectable
- Power State /Power State Transition
- NVMe Controller Reset/Subsystem Reset/ Power Cycle Reset



Please email contact@ulinktech.com for details.

→ SAS Protocol 3.0 Test Suite

Testing Features:

- Mode Select with 15 Mode Pages
- Log Select with 21 log pages
- Download Firmware
- Read Long/Write Long/Write Same
- UNMAP /DIF (Data Integrity Field)



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