


## Check out the latest updates on DriveMaster 9!

### Highlights of DriveMaster 9 Updates (V9.2.1800)

**> Support NVMe Spec. v2.0**
>> Support CAPACITY MANAGEMENT, LOCKDOWN
>> Support CNS Specific ID in IDFY
>> Support CSI and Offset Type in GETLOG
>> Support IDENTIFY w/CNS = 07h, 08h, 18h-1Ch
- Support GET/SET FEATURE w/FID = 19h, 1Ah, 7Dh-7Eh
- Support GET LOG w/LID = 00h, 10h-16h, 70h
- Support Controller Ready with Media timeout & Mode
- Support Controller Ready independent of Media timeout & Mode
- Support NVM Subsystem Shutdown
- Support NVMe Controller Initialization with Multiple I/O Command Sets

**> Support TCG Authenticate with “NewPIN” parameter**

**> Support TCG Level 0 Discovery**
>> C-PIN Enhancement Feature
>> ID Scope in SIIS Feature
>> Feature MinVer in DataStore Feature

**> Support User Friendly Interpretation on**
>> New NVMe Status
>> The data returned from
- IDENTIFY with CNS = 05h, 06h, 08h, 18h
- GET LOG with LID = 00h, 10h-14h, 16h
- GET FEATURE w/FID = 03h, 0Ch-0Eh, 13h, 16h, 7Dh-7Fh

**> Provide numbers of variables to easily retrieve the data returned from IDENTIFY, GET LOG, GET FEATURE**

**> Command Control Panel**
>> NVMe Tab
- IDFY: Add CNS = 05h-08h, 18h-1Ch and CSI Field
- GET/SET FEATURE: Add FID=0Dh,19h,1Ah,7Dh-7Fh & DW12 Field
- GETLOG: Add LID = 00h, 10h-16h, 70h, BFh

>> TCG Tab
- Add the handling to detect the session timeout and restart a new session if the session is timeout when retrieving the table contents
- Add the handling to support the number of UID > 200 in all tables and the number of UID up to 2200 in the ACE table

**> Add the decode for NVM Controller Capabilities Bit 60:56 & 47:46 in PCIe & Host Controller Registers under Tools menu**

**> Update NVMe Device Info to support**
>> IDENTIFY w/CNS = 05h, 06h, 08h, 18h
>> GET LOG w/LID = 00h, 10h-14h, 16h
>> GET FEATURE w/FID = 19h, 1Ah

**> Support New USB/SATA Power Control board (USPA)**
>> Support Power ON/OFF to SATA and USB Device
>> Support Power Current/Voltage Measurement over 12V, 5V and 3.3V
>> Support SATA Device Sleep Control via External Signal

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## ULINK TCG Opal Family SSC Multiple Namespaces Protocol Test Suite - *New!*

Previously known as TCG CNL Application Note Test Suite, this enhanced test suite includes the following:

**> Add the support to Shadow MBR for Multiple Namespaces**
- Test 'NamespaceID' in the MBRControl table
- Test the modified Set method with the value in 'NamespaceID' column
- Test the modifications to TCG Core specification-Interface Read/Write Command Access

**> Add new tests in Configurable Locking for NVMe NS**
- Test Maximum Ranges Per Namespace from Level 0 Discovery with Feature Code=403h
- Test the modified Set method
- Verify the values of Namespace GlobalRange (LO1 and LO2) in RangeStart/RangeLength column in the Locking table to be zero
- Verify the values of LO1-6 in RangeStart/RangeLength column in the Locking table to be zero after LockingSP.Revert method

**> Enhancements**
- Add the handling to support the number of entries from Next method is greater than 200 and up to 2200 UIDs in the ACE table
- Add the handling to check the size of K_AES if the previous case is skipped due to the device with Global Range Locking objects only
- Add the handling on Assign method if the number is less than 2
- Verify any LOs if they are completed successfully in the previous case instead of skipping all if one of them is failed

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