

Firmware Release Notes

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Description

The software is the upgrade program of firmware JXTC404Q version of the Samsung pm893 series hard drive.

New functions

1. Check invalid LBA range in SATAReadVerifyTask.
2. Programmable reset related to SMBR mod
3. In case of stack reset command , increase invalid length error is returned
4. Update read recovery guidelines : Adopt a mechanism to eliminate any possibility of unnecessary read recovery operations
5. Initialize the controller & NAND before the FW is downloaded and activated
6. Check and process NAND chips according to controller guidelines

List of resolved problems

1. Follow the HW guide to repair 12C read retry
2. TCG global range unlocking problem in single-user mode
3. The TCG get method returns an error NOT _ AUTHORIZED
4. Correct maximum EC count update
5. Erase busy hang handling guide : When the hard disk is busy hang , the policy is reset and try again to solve the problem.

Fixed security vulnerabilities

1. Fix the error comparison problem: clear the increased decrement count when the FW releases the prefetched buffer.
2. Fixed the Class0 update status change issue.
3. The maximum authentication problem is fixed.
4. Fixed 240GB PLP failed dump load issue.
5. Read interval causes read to throw UECC exception.
6. Authentication failure scenario vulnerability problem repair.
7. Input data parser problem repair.
8. Error return condition check problem repair..

Restrictions and guidelines

1. Before updating software versions, make sure you understand the software feature changes between versions, evaluate the potential impact of changes on your business, and refer to the relevant supporting documentation.

Upgrade procedure

See the drive firmware update user guide.

Version information

N/A

Upgrade recommendations

Upgrade the firmware as a best practice.