

Product Change Notice

Product Model Name: LTO1 Tape Drive
Date: November 2004
Reference ECO No: 15954

Reason for Change

This PCN announces the release firmware version 36U3 for IBM LTO1 (100GB) tape drives. This firmware is available at no cost from Plasmon via the website www.plasmontech.com.

Description of Change

The following changes/features are incorporated into the new firmware release:

- New feature: Invoke TinyLWR at each unload for FC drives.
- Fixed incorrect dataset position calculation after parity error.
- Added checks to verify CRC at end of read/write transfers from/to the SDRAM.
- Fixed drive not resending data/status after drop Chk Cond.
- Corrected position buffer not changing when WriteFilemark command readjusts current physical position.
- Fixed Write error after SCSI Data Phase error.
- Fixed FC Off-line Diagnostic, SCD 'E', not executing diagnostics.
- Corrected log page 03 parameter 6, Permanent Read error.
- Fixed SCSI/FC ID.
- Added DMA timeout check error handling.
- Gen1 Read/Write attribute usage corrected.
- Fixed cleanup after overlapped nexus.
- Fixed Buffer Full error on Parity Error Recovery.
- Corrected unexpected message from servo code resulting in error.
- Corrected invalid status returned when cleaner stays at mount position.
- Fixed mismatched disable and enable FC interrupts.
- Added check to deferred sense to insure it is marked properly.
- Added error recovery procedure enhancement for reading degraded FID.
- Fixed uncanceled timeout event to prevent erroneous error.
- Modified recovery procedure for Locate Failure to prevent wrong result when operating very near BOT.
- Fixed firmware update failure just after unloading.
- Added test for page existence for cleaner cartridges.
- Corrected wrong Read Position after Locate failure due to flush.
- Corrected no response to mode select.
- Fixed Erase FMR (via LDI) not ejecting tape when done.
- Fixed error of trying to write to protected CM area.
- Changed SK/ASC/ASCQ... . 03/52/00 to 04/52/00.

- Fixed firmware error that fails if unload is requested immediately after SCSI Read CDB is validated.
- Corrected RD/WR ATTRIBUTE: Format field now reads 0x02.
- Corrected FC CRC Panic for over 256KByte read.
- Added timeout function in the unspooled state.
- Now unspools from supply reel if LPOS value is reset.
- Firmware added to ensure that FC exchange is attached.
- Corrected corruption of CRC when data transfer is interrupted with host frame.
- Now corrects CM if Block1 Protection is not set at initialize.

Firmware

To confirm the current firmware version using the front panel display menus, select Setup Library > Firmware Version.

Confirm the current firmware by issuing a SCSI inquiry on the drive.

The following table shows the release history of the IBM LTO1 (100GB) tape drive firmware.

Code	Release Date	ECO#
12U5	January 2002	N/A
18N2	April 2002	15112
25O4	August 2002	15282
36U3	November 2004	15954

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