

Drive Firmware Handling for End-of-life the IC-Chip used with FUJITSU ETERNUS LT series Tape Library

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FUJITSU LIMITED

Thank you for your continued patronage of FUJITSU ETERNUS products. The dedicated IC-chip of LT's LTO7 and LTO8 tape drives will be changed due to the End-of-life of its own. LTO drives needs firmware updates as the IC-chip is changed. For more information, please refer to the below:

1. Scope (Products and Options)

Table-1

Product name	Type name, Option name
ETERNUS LT20 S2	LT20SSM1, LT20SFM1, LT20SSN1, LT20SFN1
ETERNUS LT40 S2	LT40SSM1, LT40SFM1, LT40SSN1, LT40SFN1 LT40SZ247,LT40SZ257,LT40SZ228,LT40SZ258
ETERNUS LT60 S2	LT60SSM1, LT60SFM1, LT60SSN1, LT60SFN1 LT60SZ247,LT60SZ257,LT60SZ228,LT60SZ258
ETERNUS LT140	LT14ASME, LT14AFME, LT14ASNE, LT14AFNE LT14ASML, LT14AFML, LT14ASNL, LT14AFNL
ETERNUS LT260	LT26BSME, LT26BFME, LT26BSNE, LT26BFNE LT26BSML, LT26BFML, LT26BSNL, LT26BFNL
ETERNUS LT270 S2	LT27CAAG(1,2), LT27CAAJ(2), LT27CAAL, LT27CAAN, LT27S2CA(2) LT27CZ07, LT27CZ08, LT27CZ17, LT27CZ18

Note 1: LT27CZ08 and LT27CZ18 are not selectable

2: If the product does not include an LTO7 or LTO8 drive, it is not included in this scope.

2. Details of IC-chip change

2-1. Reason for the change

A production of the current IC mounted on the LTO drive will be terminated. And it will be changed to the new IC. The scope of this change are LTO7 drive and LTO8 drive.

2-2. Effect of changing to new IC on the LTO Drives

The functions of the new IC chip will not be changed from the current IC chip, but the control method of the new IC chip will be changed. The current drive firmware is not available for LTO drives with the new IC chip. Please refer to Table-2 for details.

The IC chip installed in the LTO drive will switch to the new IC chip when the current IC chip runs out. This means that there will be no LTO drives with current IC chips in the future.

Table-2: Drive firmware compatibility table

	Drive firmware for current IC-Chip	Drive firmware for new IC-chip
Current IC-Chip mounted LTO drive	Available	Available
New IC-chip mounted LTO drive	N.A.	Available

3. Drive firmware edition for new IC-Chip

For LTO7 HH SAS Tape drive : V01L07 (JAYF) or later

For LTO7 HH FC Tape drive : V01L07 (JAYF) or later

For LTO8 HH SAS Tape drive : V01L04 (JAYF) or later

For LTO8 HH FC Tape drive : V01L04 (JAYF) or later

For LTO7 FH FC Tape drive : V10L16 (JAYE) or later

For LTO8 FH FC Tape drive : V10L13 (JAYE) or later

4. Request to Customers

- Please definitely update the firmware necessary for the new IC of the mentioned drives.
- To update the Drive firmware of the subject LTO Drive, please disconnect from the system configuration beforehand. And please reconnect the LTO drive to system, when the drive firmware update is completed.
- Please refer to Table-3 that describes how much time each LT-Library needs to update the drive firmware.

Table-3: Drive firmware update work hours

Product Name	Drive firmware update work hours
ETERNUS LT20 S2	The drive firmware update at Library takes approximately 30 minutes. The overall plan should be 140 minutes, which is the drive firmware up time plus 110 minutes.
ETERNUS LT40 S2 ETERNUS LT60 S2	The drive firmware update on the L takes 30 minutes on the 1st drive. Please add 30 minutes for each additional drives. The overall plan the total drive firmware up time plus 110 minutes.
ETERNUS LT140 ETERNUS LT260	The drive firmware update on the L takes 30 minutes on the 1st drive. Please add 3 minutes for each additional drives. The overall plan the total drive firmware up time plus 105 minutes.
ETERNUS LT270 S2	The drive firmware update at L takes approximately 45 minutes. The overall plan should be 130 minutes, which is the drive firmware up time plus 85 minutes.