



This Technical Advisory describes an issue which may or may not affect the customer's product

# Intel Technical Advisory

TA-1024-2

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## A Firmware change is required to support the change of the flash chip on the FALSASMP2

### Products Affected

Product Code	MM#	Pre Change TA	Pre Change PBA	Post Change TA	Post Change PBA
FALSASMP2	892611	E18228-003	E14273-204	E18228-004	E14273-205
SR2625URLXT	904769	E84393-009	E14273-204	E84393-010	E14273-205
SR1625URSASR	905665	E86282-014	E14273-204	E86282-015	E14273-205
SR2600URLXR	905667	E86284-013	E14273-204	E86284-014	E14273-205
SR2625URLXR	905669	E86286-014	E14273-204	E86286-015	E14273-205
SR1625URSASRN A	905167	E86282-014	E14273-204	E86282-015	E14273-205
SR2600URLXRNA	905742	E86284-013	E14273-204	E86284-014	E14273-205
SR2625URLXRNA	905744	E86286-014	E14273-204	E86286-015	E14273-205

### Description

Due to a flash chip change on the FALSASMP2, a firmware change is required to accommodate the register changes in the new chip. Older IR(Integrated RAID) RAID Mode firmware is not compatible with this new chip. Applying older firmware to the FALSASMP2 with the new chip will render the FALSASMP2 nonfunctional. Firmware used to run the FALSASMP2 in MegaRAID mode is not affected by this issue.

### Root Cause

The flash chip on the FALSASMP2 will be changed from part number 28F640J3D75 part to part number JS28F640J3F75A. The Intel Part Number (IPN) for the FALSASMP2 will remain the same number, D48955-001, however the PBA number of the product will be updated from E14273-204 to E14273-205. The flash part change is occurring because the old flash part is End of Life (EOL). The FALSASMP2 can operate in one of two modes.

1. The FALSASMP2 can operate in IR RAID mode which supports RAID 0,1, 1E. **Older firmware available to operate in this mode does not support the new flash part**, which requires a firmware update to firmware PH15upd\_public 20121115 or later to support the register changes in the new chip. Prior versions of firmware (PH15PT 20120330 and before) are not compatible

with the updated FALSASMP2 that contains the new flash chip. Attempting to update the new version of the FALSASMP2 with PBA number E14273-205 with older firmware will flash incorrect data into the chips registers and render the FALSASMP2 non-operable.

**Firmware PH15upd\_public 20121115 or later is compatible with the all versions of the FALSASMP2.**

2. FALSASMP2 can operate in MegaRAID mode which supports RAID levels 0,1,10,5,50,6,60. To operate in the mode, an optional enablement key must be added (AXXRAKSAS2) and an optional memory DIMM (AXXMINIDIMM512) must be added to the FALSASMP2. Operation in this mode does not require a firmware change to support the new flash chip. A firmware update for this mode can be done by applying the currently available Intel® RAID controller SROMBSASMP2 hardware RAID firmware for EFI, DOS, Windows\* and Linux\* which can be downloaded from [http://www.intel.com/p/en\\_US/support](http://www.intel.com/p/en_US/support).

### **Corrective Action / Resolution**

For operation of the FALSASMP2 in IR RAID mode, please use only firmware PH15upd\_public 20121115 or later with FALSASMP2 with PBA E14273-205 or later.

Please contact your Intel Sales Representative if you require more specific information about this issue.

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