



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

Intel Technical Advisory

TA-0914-4

5200 NE Elam Young Parkway
Hillsboro, OR 97124

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The first Li-Ion revision of AXXRSBBU3 will not work with S5000PSLROMBR and FALSASMP2 integrated RAID boards

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Products Affected

AXXRSBBU3, MM# 899345
S5000PSLROMBR, MM# 891983
S5000PSLROMB, MM# 886037
FALSASMP2, MM# 892611

Description

The AXXRSBBU3 RAID battery has been transitioned from Ni-MH to Li-Ion cell technology. The first Li-Ion revision (MM# 899345, TA# E44609-001, part number: E44610-150) of the battery is incompatible with the Integrated RAID boards S5000PSLROMB(R) and FALSASMP2. The following symptoms will be observed when the affected battery version is used with these boards:

- with S5000PSL5000ROMB(R): the battery will not be detected;
- with FALSASMP2: the system will hang during POST.

The updated Li-Ion revision (MM# 900954, TA# E44609-002, part number: E44610-250) of the battery is NOT affected by this issue.

Ni-MH version (MM# 883471, version# D59936-001, part number: C90839-150) of the battery is NOT affected by this issue.

The following products are NOT affected by this issue: FALSASMP, SR2500ALLXR, SR1550ALSASR, SRCASAS144E, SRCASASJV, SRCASASPH16I. On the Intel RAID Controllers SRCASASPH16I, SRCASAS144E and SROMBSAS18E (FALSASMP, SR2500ALLXR, SR1550ALSASR) firmware version 1.12.170-0471 or later is required to support the Li-Ion battery; On the Intel RAID Controller SRCASASJV firmware version 1.12.172-0470 or later is required to support the Li-Ion battery. Both are available for download at <http://support.intel.com>

Root Cause

The battery control circuitry of the Li-Ion based battery version has a higher power draw on the 3.3V line than the Ni-MH version. The affected integrated RAID boards cannot provide the required current. Due to limited availability of Ni-MH cells and in order to avoid supply interruption of the AXXRSBBU3 batteries for products that are not affected by this issue, Intel has made the decision to release the affected Li-Ion version of the battery. An updated revision of the LiON battery that resolves this issue is currently shipping.

Corrective Action / Resolution

The new Li-Ion revision of the battery (MM# 900954, TA# E44609-001, part number: E44610-250) resolves the compatibility issue.

When ordering the AXXRSBBU3 battery for use with the affected integrated RAID boards, specify that the new MM# 900954 is required. Do not order AXXRSBBU3 with MM# 899345 for use with the affected integrated RAID boards.

MM# is a code used by distributors for placing orders with Intel and is printed on the product box.

If you have received the affected Li-Ion battery and you need to use it with one of the affected integrated RAID boards, please contact Intel using your normal warranty process. Please indicate that you are calling regarding TA# 0914, and have the following information when you call:

- the part number requested: E44610-250 (the updated Li-Ion revision)
- the part number being replaced: E44610-150 (the affected Li-Ion revision)

Distributors wishing to return their product inventory may do so under a technical RMA and reference TA# 0914.

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

Enterprise Platforms & Services Division
Intel Corporation