



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

Intel Technical Advisory

TA-1114

5200 NE Elam Young Parkway
Hillsboro, OR 97124

October 31, 2016

Intel® Integrated RAID Module RMS3HC080 incorrectly illuminates the system front panel Drive Activity LED.

Products Affected

Intel® Integrated RAID Module RMS3HC080.

Description

Intel has identified that the Intel® Integrated RAID Module RMS3HC080 does not illuminate the system front panel Drive Activity LED correctly. The LED may be either always on or always off regardless of the real activity of the drives connected to the RMS3HC080 module.

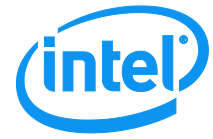


The front panel Drive Activity LED indicates activity of the drives connected to either the RAID module or to the on-board SATA controller. Indication of activity of on-board SATA controller may be masked when the RMS3HC080 module is installed due to above mentioned defect.

Root Cause

The RMS3HC080 board design illuminates the System front panel global activity LED indicator using an industry standard FET-based circuit. It has been found that the gate turn-on voltage for that FET is marginal across high volume manufacturing and process variation. Therefore, some units will constantly illuminate the System Drive Activity LED, and others will not light the LED.

Intel has released the firmware package v24.15.0-0034 for the Intel® Integrated RAID Module RMS3HC080 with a fix for this issue, this new firmware turns the LED off. Due to the unit-to-unit variation and the FET voltage marginality, some cards will turn the LED off immediately after the system power on, for some cards the LED may remain lit for some seconds during system POST, masking the user from seeing activity from other drives. With the updated firmware installed, the behavior of the global Drive Activity LED will correctly reflect activity from all sources other than the RMS3HC080.



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Resolution

Intel recommends affected customers to apply the firmware package 24.15.0-0034 or later on the Intel® Integrated RAID Module RMS3HC080. The package can be downloaded from the Intel Support Web site at <https://downloadcenter.intel.com/product/81863/Intel-Integrated-RAID-Module-RMS3HC080>.

The package includes a readme file with instructions for the update.

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

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