

intel® Technical Advisory

TA-507-2

5200 NE Elam Young Parkway
Hillsboro, OR 97124

March 12, 2002

Intel® & ICP Vortex* RAID Controllers will cause the Intel® Server Boards SDS2, SKA4 to halt during POST when the BIOS Logo screen is enabled

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Products Affected

Product Code	Description
SRCMR	Intel® RAID Controller SRCMR
SRCU32	Intel® RAID Controller SRCU32
BOXSRCU31	Intel® RAID Controller U3-1 (SRCU31 version 6.1.2.6i firmware)
BOXSRCU31A	Intel® RAID Controller U3-1 (SRCU31 version 6.1.2.6i firmware)
BOXSRCU31L	Intel® RAID Controller U3-1L (SRCU31L version 6.1.2.6i firmware)
BOXSRCU31LA	Intel® RAID Controller U3-1L (SRCU31L version 6.1.2.6i firmware)
SDS2	Intel® Server Board SDS2 (boxed 5-pack)
SKA4	Intel® Server Board SKA4 (SPKA4 and SRKA4 systems)
BDSBB	Intel® Server Board SDS2 (bulk 10-pack)
ICP Vortex GDT7628RN	ICP Vortex RAID Controller
ICP Vortex GDT8623RZ	ICP Vortex RAID Controller
ICP Vortex GDT6523RS	ICP Vortex RAID Controller

Description

When booting Intel® Server Boards SDS2 and SKA4 with an Intel RAID Controller or ICP Vortex RAID controller installed, the system will halt during POST when the Intel® Server Boards SDS2 and SKA4 BIOS Logo screen is enabled. This issue occurs only with Intel® RAID Controllers running with version 6.2.6i firmware and ICP Vortex Controllers running version 28 firmware.

Root Cause

Intel engineering has found the root cause of this issue to be an INT 10 BIOS video interrupt call during RAID POST. Intel® Server Boards SDS2, SKA4 do not service this interrupt when the BIOS Logo screen is enabled.

Corrective Action / Resolution

Intel is currently validating a firmware solution for this issue that will be posted on support.intel.com for the Intel RAID Controllers upon completion of validation testing. For the ICP Vortex RAID Controllers, please contact ICP technical support. In the meantime, a workaround for this issue is to press the ESC key when the Intel BIOS logo screen appears. Alternately, the Intel BIOS logo screen may be disabled. To disable the Intel BIOS logo screen, Access the Intel®

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Server Boards SDS2, or SKA4 BIOS Setup (by pressing F2 when the Intel BIOS logo screen appears). In BIOS Setup, change the Advanced → Boot-Time Diagnostic Screen option to "Enabled".

Please refer to future revisions of this Technical Advisory for firmware release schedules and additional details.

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

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