



# Intel Server Platform SRMK2

## *Specification Update*

January, 2002



Embedded IA Division Platform Marketing

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## *Revision History*

<b>Date</b>	<b>Modifications</b>
1/17/02	Initial release.

## ***Disclaimers***

The SRMK2 Server Platform may contain design defects or errors known as errata that may cause the product to deviate from the published specifications. Current characterized errata are documented in this Specification Update.

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## Preface

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This document is an update to the specifications contained in the *Intel Server Platform SRMK2 Technical Product Specification* (available at <http://support.intel.com/support/motherboards/server/srmk2/>). It is intended for hardware system manufacturers and software developers of applications, operating systems, or tools. It will contain specification changes, specification clarifications, errata, and document changes.

## Nomenclature

- **Specification Changes** are modifications to the current published specifications for the SRMK2 server platforms. These changes will be incorporated in the next release of the specifications.
- **Specification Clarifications** describe a specification in greater detail or further highlight a specification's impact to a complex design situation. These clarifications will be incorporated in the next release of the specifications.
- **Documentation Changes** include typos, errors, or omissions from the current published specifications. These changes will be incorporated in the next release of the specifications.
- **Errata** are design defects or errors. Errata may cause the SRMK2 server platform's behavior to deviate from published specifications. Hardware and software designed to be used with any given processor stepping must assume that all errata documented for that processor stepping are present on all devices.

## Product Scope

Below are the specific systems, boards, and BIOS covered by this update.

<b>Product Code</b>	<b>MM #</b>	<b>Server TA #</b>	<b>Baseboard PBA #</b>	<b>BIOS Revision</b>
SRMK2S	833353	A45382-003	A08691-604	Production Release 1,2 or 3
SRMK2S	833353	A45382-002	A08691-603	Production Release 1,2 or 3
SRMK2S	833353	A45382-001	A08691-603	Production Release 1,2 or 3



## Summary Tables of Changes

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The following tables indicate the errata and the document changes that apply to the Intel Server Platform SRMK2. Intel intends to fix some of the errata in a future stepping of components, and to account for the other outstanding issues through documentation or specification changes as noted. The tables use the following notations:

**Doc:** Intel intends to update the appropriate documentation in a future revision.

**Fix:** Intel intends to fix this erratum in a future release of the component.

**Fixed:** This erratum has been previously fixed.

**NoFix:** There are no plans to fix this erratum.

**Shaded:** This erratum is either new or has been modified from the previous specification update.

**Table 1. Errata Summary**

No.	Plans	Description of Errata
1.	NoFix	Server Platform SRMK2 is not compatible with Intel's SRCU31L RAID card while running ASM under Windows 2000*.

**Table 2. Documentation Changes**

No.	Plans	Description of Documentation Change
1.	NoFix	Server Platform SRMK2 requires Pentium® III processors to have the exact same stepping.
2.	NoFix	Server Platform SRMK2 is not compatible with Pentium® III processors in the FCPGA-2 package.

**Table 3. Specification Clarifications**

No.	Plans	Description of Specification Clarification
1.		

**Table 4. Specification Changes**

No.	Plans	Description of Specification Change
1.	NoFix	Server Platform SRMK2 does not have a utility or Application for LAN Console redirection.

Following are in-depth descriptions of each erratum / documentation change / specification clarification / specification change indicated in the tables above. The change numbers below correspond to the numbers in the tables.

## Errata

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### **1. Server Platform SRMK2 is not compatible with Intel's SRCU31L RAID card while running ASM under Windows 2000\*.**

Problem: Windows® 2000 “blue screens” if the SRCU31L RAID Controller add-in card is installed and ASM version 1.3.2 is running.

Workaround: None.

Status: No Fix planned.

## Documentation Changes

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### **1. Support of mixed stepping Pentium® III processors.**

SRMK2 with dual processors installed (single processor configuration is not effected). Intel would like to bring to your attention that the SRMK2 does not support processors of mixed steppings. Situations where mixing two processors which request two different VRM (Core) voltages, as would be the case with Pentium® III C0 and D0 step processors, is not supported by the SRMK2. Since the SRMK2 was designed to be sold into the low cost server market, it was implemented with only a single VRM, and consequently does not provide two different processor core voltages. When upgrading a single processor SRMK2 configuration to a dual processor configuration, please use only Intel Pentium® III processor steppings that request the same VRM (core) voltage.

### **2. Compatibility with Pentium® III processors in the FCPGA-2 package.**

The SRMK2 was designed prior to the availability of Pentium® III processors in the FCPGA-2 style package. This style of package has an integrated heat spreader, and consequently the mechanical stack-up height is greater than the FCPGA style package.

## **Specification Clarifications**

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1. None.

## Specification Changes

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### **1. Change to availability of Application for LAN Console redirection.**

On page 95 of the SRMK2 Technical Product Specification (TPS) (available from <ftp://download.intel.com/support/motherboards/server/srmk2/tpsv12.pdf>) reference is made that an application will be made available for LAN Console Redirection.

Status: No application will be made available by Intel.