Intel® Server Board S2600ST Product Family

Monthly Specification Update

September 2017

Intel® Server Products and Solutions
## Revision History

<table>
<thead>
<tr>
<th>Date</th>
<th>Modifications</th>
</tr>
</thead>
<tbody>
<tr>
<td>August 2017</td>
<td>MSU program introduced</td>
</tr>
<tr>
<td>September 2017</td>
<td>Updated Firmware on all the boards</td>
</tr>
<tr>
<td></td>
<td>Updated errata #4</td>
</tr>
</tbody>
</table>
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1 Preface

This document is intended to communicate product errata, published specification changes, published specification clarifications, and published document changes for the following Intel server products:

- Intel® Server Board S2600ST product family

It is intended for system integrators and software developers of applications, operating systems, or tools.

Nomenclature

1. **Specification Changes** are modifications to the current published specifications for Intel server boards. These changes will be incorporated in the next release of the specifications.

2. **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.

3. **Documentation Changes** include typos, errors, or omissions from the current published specifications. These changes will be incorporated in the next release of the specifications.

4. **Errata** are design defects or errors. Errata may cause the server board or system 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.
# 2 Product Scope

The following specific boards, BIOS, and components are covered by this update:

<table>
<thead>
<tr>
<th>Product Code</th>
<th>Baseboard PBA Revision</th>
<th>BIOS Revision</th>
<th>ME Revision</th>
<th>BMC Revision</th>
<th>FRU/SDR Revision</th>
</tr>
</thead>
<tbody>
<tr>
<td>S2600STB</td>
<td>J17012-500</td>
<td>R00.01.2001</td>
<td>04.00.03.202.0</td>
<td>1.02</td>
<td>1.01</td>
</tr>
<tr>
<td>BBS2600STB</td>
<td>J17012-500</td>
<td>R00.01.2001</td>
<td>04.00.03.202.0</td>
<td>1.02</td>
<td>1.01</td>
</tr>
<tr>
<td>S2600STQ</td>
<td>J17014-500</td>
<td>R00.01.0004</td>
<td>04.00.03.219.0</td>
<td>1.04</td>
<td>1.02</td>
</tr>
<tr>
<td>BBS2600STQ</td>
<td>J17014-500</td>
<td>R00.01.0004</td>
<td>04.00.03.219.0</td>
<td>1.04</td>
<td>1.02</td>
</tr>
</tbody>
</table>
# 3 Summary Tables of Changes

The following tables provide an overview of known errata and known document changes that apply to the specified Intel server products. 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 the future.
- **Fixed**: This erratum has been previously fixed.
- **No Fix**: 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

<table>
<thead>
<tr>
<th>No.</th>
<th>Plans</th>
<th>Description of Errata</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.</td>
<td>Doc</td>
<td>RHEL 7.3 might hang at boot with VMD enabled</td>
</tr>
<tr>
<td>2.</td>
<td>Fix</td>
<td>Power Supply Status sensor might not rearm after an AC lost event</td>
</tr>
<tr>
<td>3.</td>
<td>No Fix</td>
<td>System detects 4 network adapters without LAN riser installed.</td>
</tr>
<tr>
<td>4.</td>
<td>Fixed</td>
<td>USB device might not get recognized</td>
</tr>
<tr>
<td>5.</td>
<td>Fix</td>
<td>Front panel health status LED might not behave as expected after fan is removed</td>
</tr>
<tr>
<td>6.</td>
<td>Fix</td>
<td>SEL log might show a Critical event &quot;PWR unit has suffered a failure&quot;</td>
</tr>
<tr>
<td>7.</td>
<td>Fix</td>
<td>SEL log might show a Critical event &quot;BB +3.3V Vbat reports the sensor is in a low state&quot;</td>
</tr>
</tbody>
</table>

### Table 2. Documentation and Firmware Changes

<table>
<thead>
<tr>
<th>No.</th>
<th>Document Name</th>
<th>Description of Documentation Change</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.</td>
<td>Intel® Server Board S2600ST Family Technical Product Specification</td>
<td>Added a section to include Design and Environmental Specifications</td>
</tr>
<tr>
<td>2.</td>
<td>Intel® Server Board S2600ST Product Family Configuration Guide</td>
<td>Added compatible legacy accessory kits, updated MM# and availability dates</td>
</tr>
</tbody>
</table>

The following sections provide in-depth descriptions of each erratum/documentation change indicated in the tables above. The errata and documentation change numbers referenced in the following sections correspond to the numbers in the tables above.
4 Product Errata

1. ID Number EPSD220432193

RHEL 7.3 might hang at boot with VMD enabled

Problem A system with RHEL 7.3 and no VROC driver installed might hang at boot if VMD option is enabled in BIOS

Implication System with RHEL 7.3 might not be able to boot at all when VMD option is enabled, and VROC driver is not installed

Status Customer should follow the appropriate way of installing VROC driver, found in driver’s documentation. Recommended way of enabling VMD post OS install is to install VROC driver first

Workaround Disable VMD option in BIOS so you can boot to OS and install VROC driver

2. ID Number EPSD1209233977

Power Supply Status sensor might not rearm after an AC lost event

Problem Power Supply status might not rearm after an AC lost event

Implication AC lost de-asserted entry does not appear in log when AC is set back to the PSU

Status Issue will be fixed in a future firmware release

Workaround None

3. ID Number EPSD1209234998

System detects 4 network adapters without LAN riser installed

Problem BIOS detects 4 network adapters even when only 2 are physically installed

Implication Operative System detects 4 network adapters when only 2 might be usable

Status No Fix

Workaround None
4. ID Number  EPSD2006644980
USB devices might not get recognized

Problem  USB devices might not get recognized after a warm reset from the system
Implication  USB devices might not get recognized sometimes
Status  Fixed in BIOS R00.01.0004
Workaround  Unplug the USB device and plug it again

5. ID Number  EPSD2103617274
Front panel health status LED might not behave as expected after fan is removed

Problem  Front panel health status LED might not behave as expected after one or more fans are removed
Implication  Front panel health status LED might not be giving an accurate reading
Status  Issue will be fixed in a future firmware release
Workaround  Check fan status on web console

6. ID Number  EPSD2103617783
SEL log might show a Critical event "PWR unit has suffered a failure"

Problem  Critical event "PWR unit has suffered a failure" might appear in SEL during AC/DC cycle
Implication  No effect in system’s functionality, false event
Status  Under investigation
Workaround  None

7. ID Number  EPSD2103618069
SEL log might show a CRITICAL event “BB +3.3V Vbat reports the sensor is in a low state”

Problem  SEL log might show a CRITICAL event “BB +3.3V Vbat reports the sensor is in a low state”
Implication  No effect in system’s functionality, false event
Status  Under investigation
Workaround  None
5 Documentation Changes

1. Intel® Server Board S2600SW Family Technical Product Specification updated to v1.01 which added a section called Design and Environmental Specifications

2. Intel® Server Board S2600ST Family Configuration Guide updated to v1.04:
   - Add compatible legacy accessory kits
   - Update the MM# for iPC-FCC750PCRPS
   - Update iPC-S2600STQ, iPC-BBS2600STB and iPC-BBS2600STQ availability date