# Intel® Server Board S2600KP Product Family
# Intel® Compute Module HNS2600KP Product Family

*Monthly Specification Update*

**June 2017**

Intel® Server Products and Solutions

<Blank page>

## *Document Revision History*

| Date | Changes |
|---|---|
| September 2016 | MSU program re-introduced<br>Standard format introduced<br>Added new Product Codes and updated FW stack<br>EPSD case number introduced |
| October 2016 | Corrected Product Code for boards by removing the "BB" prefix<br>Added more Product Codes and updated FW stack<br>Typographical corrections |
| November 2016 | Added more Product Codes and updated FW stack<br>Font type and source standardized. |
| December 2016 | Added S2600KPTR board and updated its FW stack |
| January 2017 | Added more Product Codes and updated FW stack |
| February 2017 | No update |
| March 2017 | No update |
| April 2017 | No update |
| May 2017 | Added more Product Codes and updated FW stack |
| June 2017 | Corrected March 2017 Document Revision History to "No update" |

# *Disclaimers*

Intel technologies' features and benefits depend on system configuration and may require enabled hardware, software, or service activation. Learn more at Intel.com, or from the OEM or retailer.

You may not use or facilitate the use of this document in connection with any infringement or other legal analysis concerning Intel products described herein. You agree to grant Intel a non-exclusive, royalty-free license to any patent claim thereafter drafted which includes subject matter disclosed herein.

No license (express or implied, by estoppel or otherwise) to any intellectual property rights is granted by this document.

The products described may contain design defects or errors known as errata which may cause the product to deviate from published specifications. Current characterized errata are available on request.

Intel disclaims all express and implied warranties, including without limitation, the implied warranties of merchantability, fitness for a particular purpose, and non-infringement, as well as any warranty arising from course of performance, course of dealing, or usage in trade.

Copies of documents which have an order number and are referenced in this document may be obtained by calling 1-800-548-4725 or by visiting www.intel.com/design/literature.htm.

Intel and the Intel logo are trademarks of Intel Corporation or its subsidiaries in the U.S. and/or other countries.

*Other names and brands may be claimed as the property of others.

# Table of Contents

# List of Tables

# 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 S2600KP product family
- Intel® Compute Module HNS2600KP product family

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

## 1.1  Nomenclature

1. **Specification Changes** are modifications to the current published specifications for Intel server  boards.

2. **Specification Clarifications** describe a specification in greater detail or further highlight a specification's impact to a complex design situation.

3. **Documentation Changes** include typos, errors, or omissions from the current published 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:

| Product Code | Baseboard PBA Revision | BIOS Revision | ME Revision | BMC Revision | FRU/SDR Revision |
|---|---|---|---|---|---|
| S2600KPR | H13888-361 / 371 / 372 | 01.01.0016 | 03.01.03.021 | 01.43.9685 | 1.14 |
| S2600KPFR | G93685-361 / 371 | 01.01.0016 | 03.01.03.021 | 01.43.9685 | 1.14 |
| S2600KPTR | H76962-362 / 371 | 01.01.0016 | 03.01.03.021 | 01.43.9685 | 1.14 |
| S2600KPR | H13888-361 / 371 / 372 | 01.01.0018 | 03.01.03.032 | 01.46.9995 | 1.14 |
| S2600KPFR | G93685-361 / 371 | 01.01.0018 | 03.01.03.032 | 01.46.9995 | 1.14 |
| S2600KPTR | H76962-362 / 371 | 01.01.0018 | 03.01.03.032 | 01.46.9995 | 1.14 |
| S2600KPR | H13888-361 / 371 / 372 | 01.01.0019 | 03.01.03.032 | 01.47.10181 | 1.14 |
| S2600KPFR | G93685-361 / 371 | 01.01.0019 | 03.01.03.032 | 01.47.10181 | 1.14 |
| S2600KPTR | H76962-362 / 371 | 01.01.0019 | 03.01.03.032 | 01.47.10181 | 1.14 |
| S2600KPR | H13888-361 / 371 / 372 | 01.01.0019 | 03.01.03.032 | 01.47.10181 | 1.14 |
| S2600KPFR | G93685-361 / 371 | 01.01.0019 | 03.01.03.032 | 01.47.10181 | 1.14 |
| S2600KPTR | H76962-362 / 371 | 01.01.0019 | 03.01.03.032 | 01.47.10181 | 1.14 |
| S2600KPR | H13888-361 / 371 / 372 | 01.01.0020 | 03.01.03.043 | 01.48.10351 | 1.14 |
| S2600KPFR | G93685-361 / 371 | 01.01.0020 | 03.01.03.043 | 01.48.10351 | 1.14 |
| S2600KPTR | H76962-362 / 371 | 01.01.0020 | 03.01.03.043 | 01.48.10351 | 1.14 |
| S2600KPR | H13888-361 / 371 / 372 | 01.01.0021 | 03.01.03.043 | 01.49.10574 | 1.16 |
| S2600KPFR | G93685-361 / 371 | 01.01.0021 | 03.01.03.043 | 01.49.10574 | 1.16 |
| S2600KPTR | H76962-362 / 371 | 01.01.0021 | 03.01.03.043 | 01.49.10574 | 1.16 |

# 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 information is either new or has been modified from the previous specification update.

### Table 1. Errata Summary

| No. | Plans | Description of Errata |
|-----|-------|------------------------|
| 1. | Workaround | SMART NVDIMM connector interferes the air duct pressing the supercap cable. |

### Table 2. Documentation Changes

| No. | Document Name | Description of Documentation Change |
|-----|---------------|--------------------------------------|
| 1. | *Spares/Accessories List and Configuration Guide v2.25* <br> *Service Guide v2.1* <br> *Technical Product Specification v1.35* | Updated collaterals. Please refer to each collateral for details. |
| 2. | *Spares/Accessories List and Configuration Guide v2.26* <br> *Technical Product Specification v1.36* | Updated collaterals. Please refer to each collateral for details. |
| 3. | *Spares/Accessories List and Configuration Guide v2.27* | Updated collateral. Please refer to each collateral for details. |
| 4. | *HNS2600KP H2000G Power Budget Tool v1.5* | Power calculation formula on "Compute Module 1" has been updated |
| 5. | *Technical Product Specification v1.37* | Updated collaterals. Please refer to each collateral for details. |

### Table 3. Specification Changes

| No. | Specification | Description of Specification Change |
|-----|---------------|--------------------------------------|
| 1. | *Microsoft\* Windows\* Server 2016 added to the compatible list of Operating Systems* | The Intel® Server Board S2600KP Product Family has passed the certification for Microsoft\* Windows\* Server 2016. |
| 2. | *System Update Package (SUP) and System Firmware Update Package (SFUP) have been released. Version R0018* | BIOS, ME, and BMC firmware have been updated. |
| 3. | *System Update Package (SUP) and System Firmware Update Package (SFUP) have been released. Version R0019* | BIOS, ME, and BMC firmware have been updated. |
| 4. | *System Update Package (SUP) and System Firmware Update Package (SFUP) has been released. Version R0020* | BIOS, ME, and BMC firmware have been updated. |
| 5. | *System Update Package (SUP) and System Firmware Update Package (SFUP) has been released. Version R0021* | BIOS, ME, and BMC firmware have been updated. |

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        EPSD100033181**
   **SMART NVDIMM connector interferes the air duct pressing the supercap cable.**

| | |
|---|---|
| Problem | SMART NVDIMMs (SH1027NR410451SD2 and SH2047NR420451SB2) connector interferes with the air duct of the HNS2600KP Compute Module Product Families; pressing the SMART supercap SSC36041INT0011B cable when used on DIMM slots A1 or E1 only. |
| Implication | Cable damage and unappropriate air duct closing. |
| Status | This issue was found with these specific models (form factor and vendor only). |
| Workaround | Use DIMM slots B1 or F1 instead. |

# 5.    Documentation Changes

1. **The following collaterals have been updated to revision #:**
   a. *Intel® Server Board S2600KP and Intel® Compute Module HNS2600KP Product Family Configuration Guide* to v2.25
   b. *Intel® Server Board S2600KP and Intel® Compute Module HNS2600KP Product Family Service Guide* to v2.1
   c. *Intel® Server Board S2600KP and Intel® Compute Module HNS2600KP Product Family Technical Product Specification* to v1.35

   Please refer to each collateral for details.

2. **The following collaterals have been updated to revision #:**
   a. *Intel® Server Board S2600KP and Intel® Compute Module HNS2600KP Product Family Configuration Guide* to v2.26
   b. *Intel® Server Board S2600KP and Intel® Compute Module HNS2600KP Product Family Technical Product Specification* to v1.36

   Please refer to each collateral for details.

3. **The following collaterals have been updated to revision #:**
   a. *Intel® Server Board S2600KP and Intel® Compute Module HNS2600KP Product Family Configuration Guide* to v2.27

   Please refer to each collateral for details.

4. **The following collaterals have been updated to revision #:**
   a. *Intel® HNS2600KP Compute Module / H2000G Chassis Power and Thermal Budget Configuration Tool* to v1.5

   Please refer to each collateral for details.

5. **The following collaterals have been updated to revision #:**
   a. *Intel® Server Board S2600KP and Intel® Compute Module HNS2600KP Product Family Technical Product Specification* to v1.37

   Please refer to each collateral for details.

# 6.  Specification Changes

1.  **Microsoft\* Windows\* Server 2016 added to the compatible list of Operating Systems.**
    The Intel® Server Board S2600KP Product Family has passed the certification for Microsoft\* Windows\* Server 2016 Operating System. Please refer to the Operating System Compatibility webpage http://www.intel.com/content/www/us/en/support/boards-and-kits/000007713.html.

2.  **System Update Package (SUP) and System Firmware Update Package (SFUP) have been released. Package version is R0018.**
    a.  BIOS release has been updated to version 01.01.0018
    b.  ME release has been updated to version 03.01.03.032
    c.  BMC release has been updated to version 01.46.9995

    Please refer to the download webpages:

    a.  Via EFI-Shell Console: https://downloadcenter.intel.com/download/26199/
    b.  Via Intel® OFU Tool: https://downloadcenter.intel.com/download/26200/

3.  **System Update Package (SUP) and System Firmware Update Package (SFUP) have been released. Package version is R0019.**
    a.  BIOS release has been updated to version 01.01.0019
    b.  ME release has been updated to version 03.01.03.032
    c.  BMC release has been updated to version 01.47.10181

    Please refer to the download webpages:

    a.  Via EFI-Shell Console: https://downloadcenter.intel.com/download/26367/
    b.  Via Intel® OFU Tool: https://downloadcenter.intel.com/download/26384/

4.  **System Update Package (SUP) and System Firmware Update Package (SFUP) have been released. Package version is R0020.**
    a.  BIOS release has been updated to version 01.01.0020
    b.  ME release has been updated to version 03.01.03.043
    c.  BMC release has been updated to version 01.48.10351

    Please refer to the download webpages:

    a.  Via EFI-Shell Console: https://downloadcenter.intel.com/download/26516/
    b.  Via Intel® OFU Tool: https://downloadcenter.intel.com/download/26532/

5.  **Intel® HNS2600KP Compute Module / H2000G Chassis Power and Thermal Budget Configuration Tool has been released. Tool version is v1.5.**
    Power calculation formula on "Compute Module 1" has been updated.

    Please refer to the download webpages:

    a.  Excel spreadsheet: https://downloadcenter.intel.com/download/24526/

6.  **System Update Package (SUP) and System Firmware Update Package (SFUP) have been released. Package version is R0021.**
    a.  BIOS release has been updated to version 01.01.0021
    b.  ME release has been updated to version 03.01.03.043
    c.  BMC release has been updated to version 01.49.10574

Please refer to the download webpages:

a. Via EFI-Shell Console: https://downloadcenter.intel.com/download/26689/
b. Via Intel® OFU Tool: https://downloadcenter.intel.com/download/26723/