Monthly Specification Update

Intel® Storage Server System JBOD2000 Family

Revision History

Date	Modifications
Nov, 2013	Initial release.

Disclaimers

The Monthly Specification Update Server System 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

This document is an update to the specifications contained in the *Intel® Storage Server System JBOD2000 Hardware User Guide*. It is intended for hardware system manufacturers and software developers of applications, operating systems, or tools. It contains specification changes, specification clarifications, errata, and document changes.

1.   Nomenclature

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.

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 server board 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	Power Distribution Board PBA Revision	SAS Expander PBA Revision	SAS Expander FW Version
JBOD2312S2SP	G51619-201	G77755-101	V0.13.0.6
JBOD2224S2SP	G51619-201	G77755-101	V0.13.0.6

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

No.	Plans	Description of Errata
1.	Fix	The Intel® Storage Server System JBOD2224S2DP may show the incorrect system Enclosure IDs.

Table 2. Documentation Changes

No.	Plans	Document Name	Description of Documentation Change
1.	Fixed	*JBOD2000 HW User Guide Rev 1.2*	• Restructured the document • Added chapter to introduce JBOD2000 external connection mode • Removed JBOD2224S2SP (2.5", single port SKU) related content

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.

Errata

1.   The Intel® Storage Server System JBOD2224S2DP may show the incorrect system Enclosure IDs

Problem   Intel has determined that the storage server system JBOD2224S2DP may not be able to correctly read the system Enclosure ID, which is stored in an EEPROM on the power distribution board (PDB). The JBOD2224S2DP selects the SAS addresses of both expanders as the system Enclosure IDs. This will cause the JBOD2224S2DP to show incorrect system Enclosure IDs when it connects to other SAS devices.

Implication   Customer data in the JBOD2224S2DP is safe in this scenario. Some dual-domain SAS related JBOD functions, such as MPIO and high-availability cluster, may not work properly due to the incorrect system Enclosure ID.

Status   This issue will be fixed by replacing the existing PDB and updating the SAS expander FW. We estimate that the new PDB will be ready in Q1'14.

Workaround   Use only the SAS SFF-8088 receptacle **A** and **B** of the JBOD2224S2DP instead of **C**, **D**, **E**, and **F** (see Figure 1). In this scenario the JBOD2224S2DP works in a single-domain SAS mode, which will not be impacted by this issue.
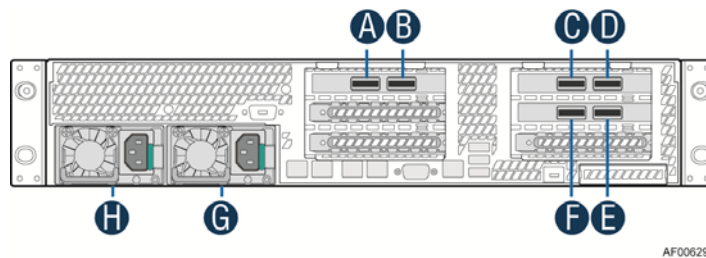

Figure 1. Back-side View of JBOD2224S2DP

Documentation Changes

1.   The Intel® Storage Server System JBOD2000 Family HW User
        Guide has been updated to rev 1.2