Monthly Specification Update

Intel® Server Board S1200KP

Revision History

Date	Modifications
August 2011	Initial release.

Disclaimers

The Intel® products specified may contain design defects or errors known as errata that may cause the products to deviate from the published specifications. Current characterized errata are documented in this Specification Update.

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Preface

This document communicates product Errata and Documentation Changes and Corrections for the Intel® Server Product - Intel® Server Board S1200KP

Nomenclature

The following defines items communicated in this document:

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

Specification Changes are modifications to the current published specifications for a given product. These include typos, errors, or omissions. Specified changes will be incorporated in the next release of the document.

Specification Clarifications describe a supported feature or function in greater detail or further highlight their impact to a complex design requirement. These clarifications will be incorporated in the next release of the document.

Errata are design defects or deviations from current published specifications for a given product. Published errata may or may not be corrected. 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.

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 correct this erratum.
Fixed	This erratum has been corrected.
No Fix	There are no plans to correct this erratum.
Shaded	This item is new or has been modified from the previous specification update.

Table 1. Errata Summary

No.	Plans	Description of Errata
1	Fixed	Intermittent LAN packet drop issue

Table 2. Documentation Changes

No.	Plans	Document Name	Description of Documentation Change
N/a	**N/a**	**N/a**	**N/a**

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. Intermittent LAN packet drop issue

Problem   When the board is connected to a 100Mb/s switch/hub at the specific speed of 100Mb/s half-duplex or 100Mb/s auto-negotiate, there is a 15% to 25% possibility of packet loss that can lead to network performance degradation.

Implication   Using the board with LAN driver release version 16.3 or older to connect to a 100Mb/s switch/hub at the specific speed of 100Mb/s half-duplex may experience LAN communication issues. This issue only appears when running the LAN at 100Mb/s half-duplex speed. No other board function is affected by this issue.

Status   The issue has been root-caused to a driver issue with the Intel® 82579LM Gigabit Ethernet Controller and has been fixed in LAN driver release 16.4.

Workaround   N/A

Documentation Changes

N/a