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DIGITAL Server 5300 Series
Product Change Information

Initial Release: **Jan-98**
Revised: **May-98**

This document details the following product change information for the DIGITAL Server 5300 series:

- Introduction

- Main Logic Board Change Summary

- Processor Change Summary

- AlphaBIOS Release Summary

- Product Change Release Notes

- Customer Impact Ratings

- Future Releases

Introduction

This document provides you with a synopsis of product changes. All product changes are evaluated for their potential impact on daily customer operations. This evaluation includes, but is not limited to, such items as safety, emission requirements, functionality, compatibility, reliability, and manufacturing process. On occasion, emergency changes may be implemented before they are reflected in this document.

Main Logic Board Change Summary

The Main Logic Board Change Summary provides an overview of the "Engineering Change Orders or ECOs, that have been released for the main logic board. This summary supplies the part number, part description, date of release, customer impact, and brief description of the change.

Processor Change Summary

The Processor Change Summary provides an overview of the ECOs that have been released for the processor. This summary supplies the part number, part description, date of release, customer impact, and brief description of the change.

AlphaBIOS Release Summary

The AlphaBIOS Release Summary gives an overview of the AlphaBIOS release history. This summary provides the AlphaBIOS release number, date of release, customer impact, and brief description. The brief description explains whether the release is a maintenance release or a release to support new features. A maintenance release implies that a series of changes or problem fixes were put in place.

Product Change Release Notes

The Product Change Release Notes cover master logic board changes, processor changes, and AlphaBIOS releases. They provide more information about the changes listed in the summaries. This information is meant to aid you in understanding in more detail what has changed and whether you need to take any action. Each change includes a description, a solution (if applicable), a recommendation for action, and a listing of any compatibility issues. Any new features or functionality are documented under a New Features section.

Customer Impact Rating

For each product change a customer impact rating is given The customer impact rating can be High, Medium, Low, or None, as follows:

HIGH   A "HIGH" rating indicates that this change has some or significant customer impact. This change may affect safety, functionality, compatibility, or reliability

MEDIUM   A "MEDIUM" rating indicates that this change may impact some customers or customers using certain configurations. This change will have a minor effect on reliability, functionality, or compatibility.

LOW   A "LOW" rating indicates that this change will have a minor impact on customers. This change is typically a product improvement and/or enhancement.

NONE   A "NONE" rating indicates that this change has no customer impact. This type of change can range from a part substitution, documentation change, or yield enhancement.

Future Releases

This document only covers processor (CPU), main logic board (MLB) and AlphaBIOS changes. Future releases of this document will incorporate information for other major system components.

Systems Supported

The information outlined in this document covers the following system variants:

System Model Variant	Description
5300 6400A	400 MHz Alpha
5305 6533A	533 MHz Alpha

Main Logic Board Change Summary

Part Number	Used On:	Old Rev	New Rev	ECO Number	Date	Customer Impact	Change Description
54-25147-02	All models DS5300	None	D04	None	Jan-98	None	New release

Processor Change Summary

Part Number	Used On:	Old Rev	New Rev	ECO Number	Date	Customer Impact	Change Description
B3107-AA	5300 6400A	None	A01	None	Jan-98	None	New release
B3107-CA	5300 6533A	None	A03	None	Jan-98	None	New release
B3107-AA	5300 6400A	A01	A02	B3107-TWO001	Feb-98	None	Documentation change to parts list.
B3107-CA	5300 6533A	A03	A04	B3107-TWO001	Feb-98	None	Documentation change to parts list.

AlphaBIOS Release Summary

AlphaBIOS Revision	MLB Revision	ECO Number	Date	Customer Impact	Change Description
5.64	D04	None	Jan-98	None	None - New release
5.64	D04	7500247-TWO005	Feb-98	None	Revision of AlphaBIOS to add new files and include support of DIGITAL Server 5300 Series processors.

Product Change Release Notes

ECO Number:	B3107-TWO001
Component:	DIGITAL Server 5300 400MHz Processor
Part:	B3107-AA
Revision:	A01 to A02
Severity:	None
ECO Issue Date:	23-Feb-1998
Notification Type:	Customer Action Not Required
Change Description:	Manufacturing documentation change to accommodate release new etch of part 50-25178-01 for B3107-AA/CA.

Problem Description

50-25178-01 is common to B3005-xx, B3007-xx, and B3107-xx processors. A new etch, rev C01, was released for B3005-xx and B3007-xx. B3107-xx did not support rev C01. Therefore, manufacturing would have to stock two revisions of this etch.

Solution

50-25178-01, rev C01, was released for B3107-AA/CA. Manufacturing documentation was edited to update B3107-AA from rev A01 to A02.

New Features

No new features were added in this release.

Compatibility

This change has no compatibility issues.

Customer Impact/Recommendations

None.

Return to Summary.

ECO Number:	B3107-TWO001
Component:	DIGITAL Server 5300 500MHz Processor
Part:	B3107-CA
Revision:	A03 to A04
Severity:	None
ECO Issue Date:	23-Feb-1998
Notification Type:	Customer Action Not Required
Change Description:	Manufacturing documentation change to accommodate release new etch of part 50-25178-01 for B3107-AA/CA.

Problem Description

50-25178-01 is common to B3005-xx, B3007-xx, and B3107-xx processors. A new etch, rev C01, was released for B3005-xx and B3007-xx. B3107-xx did not support rev C01. Therefore, manufacturing would have to stock two revisions of this etch.

Solution

50-25178-01, rev C01, was released for B3107-AA/CA. Manufacturing documentation was edited to update B3107-AA from rev A01 to A02.

New Features

No new features were added in this release.

Compatibility

This change has no compatibility issues.

Customer Impact/Recommendations

None.

ECO Number:	7500247-TWO005
Component:	AlphaBIOS
Severity:	None
ECO Issue Date:	20-Feb-1998
Notification Type:	Customer action not required.
Change Description:	Revision to add new versions of firmware files and support for DIGITAL Server 5300 series.

Problem Description

New files had to be incorporated into the firmware.

Solution

Update firmware with the files.

New Features

Enhancements include:

- Support for DIGITAL Server 5300 series systems was added.

- Updated version of QLOGIC firmware, version V5.53 to include Ultra SCSI support was added. (Note that Ultra SCSI support is restricted to configurations with direct attach only.)

- Device support for the DE500-FA, 100MBPS multifiber EtherWorks adapter was added.

- KZPSA adapter driver code was changed to represent the KZPSA controller with the device mnemonic "pks" rather than "kzpsa." This means that:

  – Use the command UPD>UPDATE PKS* to make LFU updates under the SRM console (V5.1 or later) rather than the UPD>UPDATE KZPSA* command.

  – Use the command P00>SHOW DEVICE PKS* to show devices attached to the KZPSA adapters.

- The Racore Token Ring device name representation was changed to PBXNP-AC to be consistent with other platforms.

- Latent support of Loadable Firmware Update (LFU) for the CCMAB-AA Memory Channel 2 (MC2) adapter was included.

- The following changes were made in AlphaBIOS V5.64:

    – Support was added to configure AlphaBIOS to perform a system reset upon NT shutdown and restart.

    – The MEMTEST interface has been changed in advanced CMOS settings. The user may now select Disable, Partial, or Full memory test type using the Power-Up Memory Test Advanced CMOS setting. The Power-UP Memory Test Length setting has been removed as it is no longer necessary.

    – Support for the DIGITAL Server 5300 series has been added.

Compatibility

This change has no compatibility issues.

Customer Impact/Recommendations

Support for DIGITAL Server 5300 series added.

Return to Summary.