



Intel® Desktop Board DG31PR Specification Update

July 2010

Order Number: E30564-007US

The Intel® Desktop Board DG31PR may contain design defects or errors known as errata, which may cause the product to deviate from published specifications. Current characterized errata are documented in this Specification Update.

Revision History

Revision	Revision History	Date
-001	This document is the first Specification Update for the Intel® Desktop Board DG31PR	August 2007
-002	Updated the General Information Section	January 2008
-003	Updated the General Information Section	May 2008
-004	Update to the General Information Section	October 2008
-005	Update to the General Information Section	January 2009
-006	Update to the General Information Section	June 2009
-007	Update to the General Information Section	July 2010

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The Intel® Desktop Board DG31PR 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.

Contact your local Intel sales office or your distributor to obtain the latest specifications before placing your product order.

Copies of documents which have an ordering number and are referenced in this document, or other Intel literature, may be obtained from:

Intel Corporation
P.O. Box 5937
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or call in North America 1-800-548-4725, Europe 44-0-1793-431-155, France 44-0-1793-421-777, Germany 44-0-1793-421-333, other Countries 708-296-9333

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Specification Update for the Intel® Desktop Board DG31PR

This document is an update to the specifications contained in the *Intel® Desktop Board DG31PR Technical Product Specification* (Order Number E14051). It is intended for hardware system manufacturers and software developers of applications, operating systems, or tools. It will contain Specification Changes, Errata, Specification Clarifications, and Documentation Changes.

For specification updates concerning the Intel processor that may apply to this desktop board, refer to the following:

- *Intel® Core™2 Extreme Quad-Core Processor QX6000Δ Sequence and Intel® Core™2 Quad Processor Q6000Δ Sequence Specification Update* (Order Number 315593)
- *Intel® Core™2 Extreme Processor X6800Δ and Intel® Core™2 Duo Desktop Processor E6000Δ and E4000Δ Sequence Specification Update* (Order Number 313279)
- *Intel® Pentium® Dual-Core Desktop Processor E2000Δ Sequence Specification Update* (Order Number 316982)
- *Intel® Celeron® Processor 400Δ Sequence Specification Update* (Order Number 316964)

Unless otherwise noted in this document, it should be assumed that any processor errata for a given stepping are applicable to the Altered Assembly (AA) revision(s) associated with that stepping.

Refer to the *Intel® G31 Chipset Specification Update* (Order Number 317496) for specification updates concerning the 82G33 GMCH Controller and that may apply to the desktop board DG31PR. Unless otherwise noted in this document, it should be assumed that any MCH errata for a given stepping are applicable to the Altered Assembly (AA) revision(s) associated with that stepping.

Refer to the *Intel® I/O Controller Hub 7 (ICH7) Family Specification Update* (Order Number 307014) for specification updates concerning the 82801GB ICH7 and 82801GR ICH7R I/O Controller Hub and that may apply to the desktop board DG31PR. Unless otherwise noted in this document, it should be assumed that any ICH 7 errata for a given stepping are applicable to the Altered Assembly (AA) revision(s) associated with that stepping.

Terminology

Specification Changes are modifications to the current published specifications. These changes will be incorporated in the next release of the specifications.

Errata are design defects or errors. Characterized errata may cause the desktop board behavior to deviate from published specifications. Hardware and software designed to be used with any given Altered Assembly (AA) and BIOS revision level must assume that all errata documented for that AA and BIOS revision level are present on all desktop boards.

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.

General Information

Basic Desktop Board DG31PR Identification Information

AA Revision	BIOS Revision	Notes
D97573-200	PRG3110H.86A.0024	1
D97573-201	PRG3110H.86A.0024	1
D97573-202	PRG3110H.86A.0024	1
D97573-203	PRG3110H.86A.0026	1
D97573-204	PRG3110H.86A.0028	1
D97573-205	PRG3110H.86A.0028	1
D97573-206	PRG3110H.86A.0047	1
D97573-300	PRG3110H.86A.0047	1
D97573-301	PRG3110H.86A.0052	1
D97573-302	PRG3110H.86A.0052	1
D97573-303	PRG3110H.86A.0052	1
D97573-306	PRG3110H.86A.0065	1
D97573-307	PRG3110H.86A.0065	1
D97576-202	PRG3110H.86A.0024	1
D97576-203	PRG3110H.86A.0026	1
D97576-204	PRG3110H.86A.0028	1
D97576-205	PRG3110H.86A.0028	1
D97576-206	PRG3110H.86A.0047	1
D97576-300	PRG3110H.86A.0047	1
D97576-301	PRG3110H.86A.0052	1
D97576-302	PRG3110H.86A.0052	1

AA Revision	BIOS Revision	Notes
D97576-303	PRG3110H.86A.0052	1
D97576-306	PRG3110H.86A.0065	1
D97576-307	PRG3110H.86A.0065	1
E33622-306	PRG3110H.86A.0065	1
E33622-307	PRG3110H.86A.0065	1
E39516-305	PRG3110H.86A.0065	1
E39516-306	PRG3110H.86A.0065	1

Note:

1. The AA number is found on a small label on the component side of the board.

Summary of Changes

The following table indicates the Specification Changes, Errata, Specification Clarifications, or Documentation Changes that apply to the Intel® Desktop Board DG31PR. Intel intends to fix some of the errata in a future revision of the desktop board, and to account for the other outstanding issues through documentation or specification changes as noted.

The following notations are used in the table:

Doc:	Document change or update that will be implemented.
PlanFix:	This erratum may be fixed in a future revision of the desktop board, driver, or BIOS.
Fixed:	This erratum has been previously fixed.
NoFix:	There are no plans to fix this erratum.
Shaded:	This erratum is either new or modified from the previous version of the document.

No.	Plans	Errata
		There are no characterized erratum for this product