



Intel[®] Desktop Board DG41RQ Specification Update

July 2010

Order Number: E61979-004US

The Intel[®] Desktop Board DG41RQ 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 DG41RQ	December 2008
-002	Updated the General Information Section	June 2009
-003	Updated the General Information and Specification Changes Section	April 2010
-004	Updated the General Information Section	July 2010

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The Intel® Desktop Board DG41RQ 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 DG41RQ

This document is an update to the specifications contained in the *Intel[®] Desktop Board DG41RQ Technical Product Specification* (Order Number: E58745). 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 processors that apply to this desktop board, refer to the following:

- *Intel[®] Core[™]2 Quad Processor Q9000 Series Specification Update (Order Number: 318727)*
- *Intel[®] Core[™]2 Quad Desktop Processor Q6600 Specification Update (Order Number: 315593)*
- *Intel[®] Core[™]2 Duo Processor E8000 and E7000 Series Specification Update (Order Number: 318733)*
- *Intel[®] Core[™]2 Duo Desktop Processor E6000Δ Sequence Specification Update (Order Number: 313279)*
- *Intel[®] Pentium[®] Dual-Core Desktop Processor E2000Δ Sequence on 65nm Update (Order Number: 316982)*
- *Intel[®] Celeron[®] Processor 400Δ Sequence on 65 nm Process 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[®] 4 Series Chipset Family Specification Update* (Order Number 319971) for specification updates concerning the 82G41 GMCH Controller and that may apply to the desktop board DG41RQ. 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[®] IO Controller Hub7 (ICH7) Family Specification Update* (Order Number: 307014) for specification updates concerning the 82801GB I/O Controller Hub and that may apply to the desktop board DG41RQ. Unless otherwise noted in this document, it should be assumed that any ICH7 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 DG41RQ Identification Information

AA Revision	BIOS Revision	Notes
E54511-201	RQG4110H.86A.0007	1,2
E54511-202	RQG4110H.86A.0009	1,2
E54511-203	RQG4110H.86A.0009	1,2
E54511-204	RQG4110H.86A.0013	1,2
E54511-205	RQG4110H.86A.0013	1,2
E54512-201	RQG4110H.86A.0007	1,2
E54512-202	RQG4110H.86A.0009	1,2
E54512-203	RQG4110H.86A.0009	1,2
E54512-204	RQG4110H.86A.0013	1,2
E54512-205	RQG4110H.86A.0013	1,2

Notes:

1. The AA number is found on a small label on the component side of the board.
2. The 4 Series Chipset kit used on this AA revision consists of two components as follows:

Device	Stepping	S-Spec Numbers
82801GB	A1	SL8FX
82G41	A3	SLB8D
82G41	A3	SLGQ3

Summary of Changes

The following table indicates the Specification Changes, Errata, Specification Clarifications, or Documentation Changes that apply to the Intel® Desktop Board DG41RQ. 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.
Plan Fix:	This erratum may be fixed in a future revision of the desktop board, driver, or BIOS.
Fixed:	This erratum has been previously fixed.
No Fix:	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