



Intel[®] NUC Board DE3815TYBE Specification Update

October 2014

Part Number: H60071-001

The Intel[®] NUC Board DE3815TYBE 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® NUC Board DE3815TYBE | October 2014 |

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The Intel® NUC Board DE3815TYBE 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:

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Contents

Specification Update for the Intel® NUC Board DE3815TYBE

- Terminology 4
- General Information..... 5
- Summary of Changes 5

Specification Update for the Intel® NUC Board DE3815TYBE

This document is an update to the specifications contained in the *Intel® NUC Board DE3815TYBE Technical Product Specification* (Order Number: H26598). 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 *Intel® Atom™ Processor E3800 Product Family Specification Update* (Order Number: 539130)

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.

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 NUC 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 NUC 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 NUC Board DE3815TYBE Identification Information

| AA Revision | BIOS Revision | Notes |
|-------------|-------------------|-------|
| H26998-401 | TYBYT10H.86A.0019 | 1,2 |

Notes:

1. The AA number is found on a small label on the component side of the board.
2. The Intel® Atom™ processor E3815 used on this AA revision consists of the following component:

| Device | Stepping | S-Spec Numbers |
|------------------|----------|----------------|
| Intel Atom E3815 | B3 | SR1RA |

Summary of Changes

The following table indicates the Specification Changes, Errata, Specification Clarifications, or Documentation Changes that apply to the Intel® NUC Board DE3815TYBE.

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 NUC 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 |
|-----|--------|--|
| 1 | No Fix | <p>Title: Limited capabilities of the serial ports header on the DE3815TYBE.</p> <p>Problem: The serial ports are not RS232 compliant.</p> <p>Implication: The DE3815TYBE serial ports will only support PC-to-PC communication using a cross-over cable in Microsoft Windows* 7. Microsoft Windows 8 and 8.1 drivers enumerate the controller, but do not open a com port to the controller. Linux* drivers are not provided for the I/O controller. The limited design and driver implementation will not support RS232 serial devices.</p> <p>Workaround: Serial devices may be used with a USB-to-Serial converter.</p> <p>Status: No Fix</p> |