

HWRelNot.txt
Intel(R) StrongARM* SA-1110
Development Board
Hardware Release Notes
Phase 5
June 16, 2000

Document revision: 278234-004
File name: HWRELNOT.TXT

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Introduction:

This SA-1110 Development Board is shipped with many hardcopy documents, including Readme files and Hardware Release Notes (this document). The Readme files and Hardware Release Notes contain last minute changes which are not documented anywhere else.

Warning: Before you begin for all SA-1110 Development Boards

The following components are very fragile on the SA-1110 Development Board. If these components are damaged, the board or unit will need to be replaced.

- 140 pin connectors--very fragile, see documentation.
- Display ribbon for J9--the ears are easily damaged.
- Flexprint cable for display--Do not crease or bend at a sharp angle.

Intel(R) StrongARM* SA-1110 Development Board Kit Contents:

If any items are missing or damaged, contact your Intel sales representative.

A fully populated SA-1110 Development Board is shipped with the following items:

- Sharp 3.9 inch LCD touch screen
- Two Electret microphones (attached to board)
- Mini speaker
- Lithium Ion battery pack with harness
- Stereo headset (3.5mm)
- Telephone headset (2.5mm)
- Socket Communications Compact Flash Low Power Ethernet CF+ card (LP-E CF+ card)
- RJ12 Coupler
- Static control wrist strap
- Stylus
- Jumpers (shunts)

Power supplies:

- 6V 2.5A 110-240V 50-60Hz AC to DC adapter for U.S.A or EU, APAC

Cables:

- Base station cable with 9-pin Dsub serial port, 25-pin

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Dsub JTAG, RJ11 phone jack

- TV video out cable
- A 10BASE-T unshielded twisted pair (UTP) "cross-over" Ethernet cable to go between the host and SA-1110 Development Board

Development tools

- Evaluation version of the ARM* Development Suite (ADS) version 1.01

Documentation

- Intel(R) StrongARM* SA-1110 Microprocessor Development Board User's Guide
- Intel(R) StrongARM* SA-1110 Microprocessor Development Board Part's List
- Intel(R) StrongARM* SA-1110 Microprocessor Development Board Schematics
- Intel(R) StrongARM* SA-1110 Development Board Hardware Release Notes (this document)
- Intel(R) StrongARM* SA-1110 Microprocessor Developer's Manual
- Intel(R) StrongARM* SA-1110 Microprocessor Brief Datasheet
- Intel(R) StrongARM* SA-1110 Microprocessor Specification Update
- Intel(R) StrongARM* SA-1111 Microprocessor Companion Chip Brief Datasheet
- Intel(R) StrongARM* SA-1110 Microprocessor Companion Chip Specification Update
- Intel(R) StrongARM* SA-1110/SA-1111 Development Kit Quick Start User's Guide --Not available at the printing of this document; check Intel's website for developers for new documentation.
- Marketing collateral

Note: The schematics, parts list, software (including the CPLD source code) and copies of the documentation are available from the developer's area on the Intel website.

Revision History:

All boards have a sticker on side 2 near L1 that identifies the order number of the board and provides a serial number and the board's revision number in the following format: SA1111DEVBD VSxxxxxxx R2.0X, where SA1111DEVBD is the order number, VSxxxxxxx is the serial number and R2.04 is the board's revision number. For the

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board's revision number, the R2 indicates a pass 2 module while the .04 indicates the module build changes, such as engineering change orders. A second sticker on side two near the USB connector indicates the system type and the system revision in the following format: SA1110DEVBD-BOX REV:5.0, where SA1110DEVBD-BOX indicates this is an SA-1110 Development Board system and REV:5.0 indicates the system revision 5. System revision information determines what is provided with the board.

This release uses pass 2 etch and B-2 or B-4 revision SA-1110 components. The revision of the SA-1110 component can be read from the stepping field in Register 0 of the SA-1110 device.

Known Problems and Restrictions:

See Intel's website at <http://www.intel.com> for the latest SA-1110 Development Board Specification Update for known problems and restrictions.

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Intel may make changes to specifications and product descriptions at any time, without notice.

Designers must not rely on the absence or characteristics of any features or instructions marked "reserved" or "undefined." Intel reserves these for future definition and shall have no

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responsibility whatsoever for conflicts or incompatibilities arising from future changes to them.

The SA-1110 Development Board 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 and 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 by calling 1-800-548-4725 or by visiting Intel's website at <http://www.intel.com>.

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