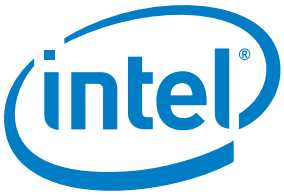

Intel® Atom™ Processor E3800 Product Family/ Intel® Celeron® Processor N2807/N2930/J1900 I²C Driver

Release Notes

May 2014

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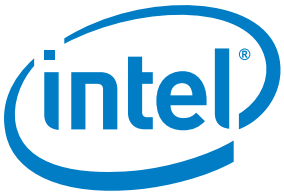

1 Driver Information

This is the main I2C driver (32-bit and 64-bit) for the Intel® Atom ™ Processor E3800 Product Family (formerly known as Bay Trial-I)/Intel® Celeron® Processor N2807/N2930/J1900 (formerly known as Bay Trail-M/D) platform for Microsoft Windows* 7, WES7, and Windows* Embedded POSReady 7.

Driver name:

`iaioi2c.sys`

Intel® Atom™/Celeron®/Pentium® Processor UART Host Controller in device manager list

Version:

v1.1.5.1021

Release Data:

March 10, 2014

List of files in the driver package:

- Driver binaries
  `iaioi2c.inf`
  `iaioi2c.sys`
  `iaioi2c.cat`
- Driver Interface head filer:
  `I2CPublic.h`

Driver documents:

BYT-I_Win7_IODriver_Programmer_Guide.docx
ISG_BYT-I_ I2C _Driver_Release_Note.docx

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2 System Requirements

Supported Platform

- Bay Trail-I Fab3 Rev3 (SKU: B3)
- Baker Sport Fab B (SKU: B3)
- Windows* 7 Ultimate 64-bit SP1 (7601)
- Windows* 7 Ultimate 32-bit SP1 (7601)
- Windows* Embedded Standard 64-bit SP1 (7601)
- Windows* Embedded Standard 32-bit SP1 (7601)
- Windows* Embedded POSReady 7 64-bit
- Windows* Embedded POSReady 7 32-bit

Development Environment

- Windows* 7 64-bit SP1 (7601)
- Microsoft* Visual Studio Professional 2012, v11.0.50727.1 RTMREL
- MSBuild v4.0.30319.17929
- Windows* Driver Kit, v8.0.0

Dependency

- Not applicable

Constraint

- Not applicable

§

3 Enabled Features

- Supports 7-bit address Mode
- Supports Standard Mode (100 Kbps)
- Supports Fast Mode (400 Kbps)
- Supports polling of I/O data transfer

§

4 Disabled Features

Not applicable

§

5 Known Issues

Intermittent first byte is lost when I^{2}C read is performed on B3-M and B3-D.

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6 Fixed Issues or New Features

Not applicable

§

7 Limitations

- Maximum single transfer size is limited to 64K Bytes.

  Use multiple transfers for a data size of more than 64K Bytes.

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8 Installation Guide

- Execute Intel Processor Win7* IO Drivers 64Bit.msi to install the 64-bit driver.
- Execute Intel Processor Win7* IO Drivers 32Bit.msi to install the 32-bit driver.
- Uninstall the driver from Control Panel\All Control Panel Items\Programs and Features or uninstall the driver by selecting MSI installer again.

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