

Intel® Atom™ Processor E3800

SPI Driver Release Notes

1. Driver Information

This is the main SPI driver for the Bay Trail platform.

- Driver name
 - iaiospi.sys
 - “Intel(R) Atom(TM) Processor SPI Controller” in device manager list)
- Version
 - 603.9600.1948.28229
- Release Date
 - 01/22/2014
- List of files in the driver package
 - iaiospie.inf
 - iaiospie.sys
 - IOTG_BYT_SPI_Driver_Release_Note.pdf

2. System Requirement

- IOTG Validated Platform
 - Bay Trail-I Fab3 Rev3 (SKU: B3-I , B3-M, B3-D)
 - Bakersport Fab B (SKU: B3-I , B3-M, B3-D)
 - Windows* 8 Enterprise 32 bit (9200)
 - Windows 8 Enterprise 64 bit (9200)
 - Windows Embedded Standard 8 32 bit (9200)
 - Windows Embedded Standard 8 64 bit (9200)
- Development Environment
 - Windows 7 64 bit
 - Visual Studio* 2012
 - MSBuild 4.0.30319.17626 (.NET 4.0 x64)
 - Windows Driver Kit 8.1.0
 - Perforce/TeamCity*
- Dependency
 - N/A
- Constraint
 - N/A

3. Enabled New Features

- This driver is a completely new implementation for Bay Trail.
- SPI Mode 0,1,2,3
- Transfer rate support on min=100kbps Max=15 Mbps

4. Disabled Features

- Not support disable/enable

5. Fixed Issues

N/A

6. Known Issues

Refer to platform user guide

7. Installation Guide

- IOTG Validation Driver Install
 1. Make sure the system enable the test-signing.
 2. Click dpinst.exe in driver package to install the drivers.

- IOTG Validation Driver Uninstall
 1. Uninstall the driver from Control Panel\All Control Panel Items\Programs and Features.

- Windows Driver Update
 - a. Open “Device Manager”
 - b. If you see existing drivers with the string “Intel(R) Atom(TM) Processor SPI Controller”
 - i. Uninstall drivers
 1. Choose the “Delete the driver software for this device”
 - ii. Reboot platform
 - iii. Go to next step
 - c. Find the “Other Devices\Unknown Devices” with
Resources\Memory Range = 0x9050A000-0x9050AFFF
If Uart is already installed use this :
Resources\Memory Range = 0x9050E000-0x9050EFFF
hardware ID “80860F0E”.
 - d. Choose “Update Driver Software” – “Browse my computer for driver software” – “Let me pick from a list of device drivers” – “Have Disk” then go to the SPI driver folder to install the driver

Note: If possible, check the time stamp of the driver in the target to make sure the right binaries are used.

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