

# Intel® Atom™ Processor E3800

## SPI Driver Release Notes

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### 1. Driver Information

This is the main SPI driver (32bit and 64bit) for the Bay Trail-I platform for Win7 and WES7

- Driver name
  - iapospi.sys
  - “Intel(R) Atom(TM) Processor SPI Controller” in device manager list
- Version
  - 1.1.5.1020
- Release Data
  - 12/27/2013
- List of files in the driver package
  - Driver binaries
    - iaiospi.inf
    - iaiospi.sys
    - WdfCoinstaller01011
    - iaiospi.cat
  - Driver Interface head filer
    - SPIPublic.h
  - Driver documents
    - BYT-I\_Win7\_IODriver\_Programmer\_Guide.docx
    - ISG\_BYT-I\_SPI\_Driver\_Release\_Note.docx

### 2. System Requirement

- 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)
- Development Environment
  - Windows 7 64 bit SP1 (7601)
  - Microsoft Visual Studio Professional 2012 Version 11.0.50727.1 RTMREL
  - MSBuild 4.0.30319.17929
  - Windows Driver Kit 8.0.0
- Dependency
  - N/A
- Constraint
  - N/A

### 3. Enabled Features

- Support SPI mode 0,1,2,3
- Support transfer rate at the minimum of 100 kbps and at maximum rate 15 Mbps
- Support polling of IO data transfer (Read/Write)
- DMA data transfer

### 4. Disabled features

N/A

### 5. Fixed Issues or New Features

N/A

### 6. Known Issues

- HSD [[4634792](#)][WIN8/WIN7] One bit is wrong occasionally in SPI

### 7. Installation Guide

- Execute Intel Atom E3800 Win7 IO Drivers 64Bit.msi to install 64bit driver
- Execute Intel Atom E3800 Win7 IO Drivers 32Bit.msi to install 32bit driver
- Uninstall the driver from Control Panel\All Control Panel Items\Programs and Features or Uninstall the driver by click MSI installer again.