

Intel® Atom™ Processor E3800

SPI Driver Release Notes

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.