

Intel® Atom™ Processor E3800

GPIO Driver Release Notes

1. Driver Information

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

- Driver name
 - iaiogpio.sys
 - “Intel(R) Atom(TM) Processor GPIO Controller” in device manager list
- Version
 - 1.1.5.1020
- Release Date
 - 12/27/2013
- List of files in the driver package
 - Driver binaries
 - iaiogpio.inf
 - iaiogpio.sys
 - WdfCoinstaller01011
 - iaiogpio.cat
 - Driver Interface head filer
 - GPIOPublic.h
 - Driver documents
 - BYT-I_Win7_IODriver_Programmer_Guide.docx
 - ISG_BYT-I_GPIO_Driver_Release_Note.docx

2. System Requirement

- Supported Platform
 - Baytrail-I Fab3 Rev3 (SKU: B3)
 - Bakersport 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 GPIO multiplexing setting.
- Support GPIO setting query, query multiplexing information of GPIO pin.
- Support GPIO direction setting, configure selected GPIO pin as input or output pin.
- Support GPIO read pin, read pin's level value when GPIO pin is configured as input pin.
- Support GPIO write pin, configure pin level to high or low when it is configured as output pin.

4. Disabled Features

N/A

5. Fixed Issues or New Features

N/A

6. Known Issues

N/A

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.