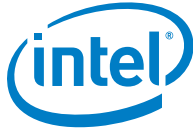# Intel® Atom ™ Processor E3800 Product Family/Intel® Celeron® Processor N2807/N2930/J1900 GPIO Driver

Release Notes

May 2014

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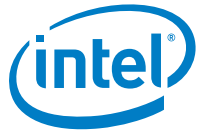
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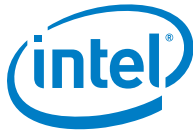
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1   *Driver Information*

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

- Driver name:

  `iaiogpio.sys`

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

- Version:

  v1.1.5.1021

- Release Date:

  March 10, 2014

- List of files included in the driver package:

  – Driver binaries:

    `iaiogpio.inf`

    `iaiogpio.sys`

    `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

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2 System Requirement

- Supported Platforms:

  Bay Trail-I, Fab3, Revision 3 (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)

  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
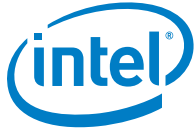
  Not applicable

- Constraint

  Not applicable

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3 Enabled Features

- Supports GPIO multiplexing setting.

- Supports GPIO setting query – queries the multiplexing information of the GPIO pin.

- Supports GPIO direction setting – configures the selected GPIO pin as an I/O pin.

- Supports GPIO read pin – read pin's level value when the GPIO pin is configured as an input pin.

- Supports GPIO write pin – configures pin level to high or low when it is configured as an output pin.

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4   Disabled Features

Not applicable

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5 *Fixed Issues or New Features*

Not applicable

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6 Known Issues

Not applicable

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7 *Installation Guide*

- Execute the Intel Processor, Win7* IO Drivers `64Bit.msi` to install the 64-bit driver.

- Execute the 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 by selecting **MSI installer** again.

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