

Intel® Atom™ Processor E3800

HS-UART Driver Release Notes

1. Driver Information

This is the main UART driver for Intel® E3800 platform.

- Driver name
 iaLPSS_UART.sys
 “HS-UART Controller – 8CE6” in device manager list
- Version
 1.1.5.1005
- Release Date
 03/21/2014

2. System Requirement

- IOTG Supported 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
 Microsoft Visual Studio Professional* 2012 RC
 MSBuild 4.0.30319.17626 (.NET 4.0 x64)
 Windows Driver Kit 7.1.0
- Dependency
 N/A
- Constraint
 N/A

3. New Features

- Support baud rates: 300 – 921600, 1M, 2M, 3M and 4M.
- Support data size of 5,6,7, and 8-bit
- Support none, odd and even parity
- Support 1, 1.5, and 2 stop bits
- Support "Hardware" and "No" flow control

4. Disabled Features

NA

5. Fixed Issues

NA

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
 1. Open “Device Manager”
 2. Right click on “System Devices\UART”
 3. If UART doesn’t exist, find the “Other Devices\Unknown Devices” with Resources\Memory Range=0xA050xxxxx and with hardware ID=“INT33BC”.
 4. 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 UART 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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