



Bay Trail M/D Platform – Intel® Trusted Execution Engine (Intel® TXE) 1.1 Firmware

Release Notes rev 1.3

25 June 2015

Version History/Revision History

These are the main releases of BayTrail M/D FW:

Date	Revision	Description
18 Jun 2015	1.2	Release Notes for BYT Windows* 7, 8.1, 10 & Linux PC
24 Jun 2015	1.3	Release Notes for BYT Windows* 7, 8.1, 10 & Linux PV

Intended Audience

OEM/ODM software developers, test and validation engineers, system integrators, end-users and or consumers.

Customer Support

For technical support, including answers to questions not addressed in this product, visit the technical support forum, FAQs, and other support information at or contact your Intel Field Application Engineer.

To submit an issue, go to Intel® Premier Support:

(<https://employeeportal.intel.com/irj/portal/IntelPremierSupportUser>)

For more information on registering to Intel Premier Support, go to: <http://software.intel.com/en-us/articles/performance-tools-for-software-developers-intel-premier-support>

Contents:

1	Introduction	4
2	New in This Release	5
3	Known Issues	6
4	Related Documentation	7
5	Where to Find the Release	8
6	Release Content	9
7	Hardware and Software Compatibility	10
8	Acronyms and Terms	11
9	Legal Information	12

1 Introduction

This document covers the following Intel® Trusted Execution Engine (Intel® TXE) 1.0 Firmware Release Notes for future Intel® Pentium® processor or future Intel® Celeron® processor J-Series & N-series based platform.

Important Notes:

- It is highly recommended to use the FITC tool provided in this kit.
- Please make sure to use Intel TXE FW and System Tools from the same kit. Versioning combinations may cause unexpected issues.
- This kit includes both Unsigned (Pre-production) FW and Signed (Production) FW. Combination of Unsigned Intel TXE Firmware and Production Silicon is not supported and will result in unexpected behavior.
- Please use SPI Flash parts that align with the BayTrail M/D Platform SPI Flash Compatibility Requirements (IBL# 528827, section 3)
- The Intel® TXEI driver in this kit has passed the Microsoft* Windows Hardware Quality Labs (WHQL) test and has been certified by the Microsoft* Company.

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To learn more about this product, see:

- New features listed in the [New in this Release](#) section below, or in the help.
- Reference documentation listed in the [Related Documentation](#) section below

2 New in This Release

New Features

The VCN (Version Control Number) value has increased in Intel® TXE FW version 1.1.4.1145 (PC Version) to '13'. As a result downgrades from Intel® TXE FW Version 1.1.4.1145 to earlier Intel® TXE FW versions will not be possible. Full Intel® TXE FW updates from earlier releases to version 1.1.4.1145 are supported.

Changes to Existing Features

NA

OS Support

This version of Intel® TXE Firmware and Software supports Windows* 7, Windows* 8.1 and Windows* 10 in a single unified package.

3 Known Issues

Issue #	Title	Description/ Affected Component/ Impact / Status
7433316	Inconsistent version number between TXEI Driver and Installer.	Description: The correct driver version is 1.1.0.1064 and when you right click the TXEI.sys file -> Properties -> Details you get version 1.0.0.1064.

4 Related Documentation

- Bay Trail M/D Intel® TXE FW Bring Up Guide
- Bay Trail M/D Intel® TXE System Tools User Guide
- Bay Trail M/D Intel® TXE FW Application PRD
- Bay Trail M/D SPI Programing Guide
- Bay Trail M/D External Architecture Specification
- Bay Trail M/D Intel® TXE FW Compliance Guide

Bay Trail-M/D Platform - Intel® Trusted Execution Engine (Intel® TXE) Firmware Compliance User Guide Rev 2.4	CDI / IBL: 522481
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5 Where to Find the Release

This release can be found on the Intel® VIP site: <https://platformsw.intel.com>

How to Install this Release

This kit can be installed in one of two optional ways:

1. Run SetupTXE.exe located in the Installers sub-directory of the kit.
2. To run silent install, you may use "-s" option as "SetupTXE.exe -s"
3. For Windows* 7 users, following an issue related to missing KMDF 1.11 on Windows* 7, customers are requested to install SetupTXE.exe using the Windows Command Prompt option with the addition of the "-nodalchk" flag (please see Known Issues section for further details).

6 Release Content

Typical release version numbering is as follows: 1.x.y.z (for example: 1.0.0.zzzz) where:

- '1' refers to the Intel® Trusted Execution 1.x Firmware SKU for Bay Trail Platforms.
- 'x' represents point releases where new features or changes to existing features may be added.
- 'y' refers to Maintenance and Hot Fix release designations.
- 'z' refers to firmware release revision

Table 1-1 Revision numbers of components of the Production Version release.

Subproject (component)	Location	Revision
Flash Image Tool (FIT)	...\System Tools\	1.1.4.1145
Flash Programing Tool (FPT)	...\System Tools\	1.1.4.1145
TXEInfo	...\System Tools\	1.1.4.1145
TXEManuf	...\System Tools\	1.1.4.1145
FWUpdate	...\System Tools\	1.1.4.1145
SetupTXE.exe	...\Installers\	1.1..0.1064

7 Hardware and Software Compatibility

- Intel® Pentium® N3510/ 3520 Processor
- Intel® Celeron® N2810/ 2820 Processor
- Intel® Celeron® N2910/ 2920 Processor
- Intel® Celeron® N2805/ N2806 Processor
- Intel® Celeron® N2815 Processor

To validate specific Processor compatibility please visit <http://ark.intel.com>.

Supported Operating Systems

Windows* 7, Windows* 8.1, Windows* 10, Linux*

8 Acronyms and Terms

The following acronyms and terms are used in this document (arranged in alphabetic order):

Acronym/Term	Description
CRB	Customer Reference Board
HECI	Host Embedded Controller Interface
Intel® FIT	Intel® Flash Image Tool
Intel® FPT	Intel® Flash Programming Tool
Intel® TXE	Intel® Trusted Execution Engine (Intel® TXE)
Intel® TXEI	Intel® Trusted Execution Environment Interface (Intel® TXEI)

9 Legal Information

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