



# **Bay Trail M/D Platform – Intel<sup>®</sup> Trusted Execution Engine (Intel<sup>®</sup> TXE) FW**

**Firmware Release Notes**

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***Intel<sup>®</sup> TXE FW 1.1.0.1089 Production Version Point Release  
for Windows\* and UEFI based Android\****

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# 1 Introduction

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Intel® Trusted Execution Engine (Intel® TXE) Firmware 1.1 SKU introduces single Intel TXE FW that supports both Android\* based UEFI BIOS and Windows\*

This document provides component level details of the downloaded kit.

## 1.1 Acronyms

Term	Description
FITC	Flash Image Tool Creation
FPT	Flash Programming Tool
Intel® TXE	Intel® Trusted Execution Engine (Intel® TXE)
Intel® TXEI	Intel® Trusted Execution Environment Interface (Intel® TXEI)

## 1.2 Reference Documents/Kits

Document	Document no./ Location
Bay Trail-M/D Platform - Intel® Trusted Execution Engine (Intel® TXE) Firmware Compliance Rev2.4	CDI / IBL: 522481
Sample Signer Tool Reference Code	Test Software Collateral ID: <a href="#">1000653</a>



## 2 Release Kit Summary

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This document covers the following Intel® Trusted Execution Engine (Intel® TXE) Firmware release notes for future Intel® Pentium® processor or future Intel® Celeron® processor N- & J- series based platform (formerly Bay Trail-M/D platform).

### 2.1 Contents of Downloaded Kit

#### 2.1.1 Documents

Bay Trail-M/D platform Intel® TXE FW Bring Up Guide

Intel® TXE System Tools User Guide

Bay Trail-M/D platform - Intel® TXE FW Release Notes

VSCCommn.bin Content

#### 2.1.2 Tools

Tool	Description	OS Support
FITC	<ul style="list-style-type: none"> <li>Flash Image Creation Tool</li> <li>Provides both a GUI and a command line tool</li> </ul>	Windows* 7, Windows* 8, Windows* 8.1 64bit
FLAMInGO	<ul style="list-style-type: none"> <li>Flash Manifest Generation Tool</li> </ul>	Windows* 8, Windows* 8.1 64bit
Sample Signer	<ul style="list-style-type: none"> <li>Flash Manifest Signing Sample Tool</li> </ul>	Windows* 8, Windows* 8.1 64bit
FPT	<ul style="list-style-type: none"> <li>Flash Programming Tool</li> <li>Tools Provided within Windows command line tool.</li> </ul>	Windows* 8, Windows* 8.1 64bit, EFI Shell, WinPE 4.0
TXEInfo	<ul style="list-style-type: none"> <li>Intel TXE setting checker tool</li> </ul>	Windows* 8, Windows* 8.1 64bit, EFI Shell, WinPE 4.0
TXEManuf	<ul style="list-style-type: none"> <li>Validates Intel TXE functionality on manufacturing line</li> </ul>	Windows* 8, Windows* 8.1 64bit, EFI Shell, WinPE 4.0



Tool	Description	OS Support
FWUpdate	<ul style="list-style-type: none"><li>Updates the Intel TXE FW code region on a flash device that has already been programmed with a complete SPI image</li></ul>	Windows* 7 64bit, Windows* 8, Windows* 8.1 64bit, EFI Shell, WinPE 4.0

**Note:** FPT, TXEInfo, TXEManuf tools do not support Windows 7. Customer requested to run Intel TXE manufacturing tools in EFI Shell or WinPE environment.

### 2.1.3 Versions

Type	Version	Location
Intel® TXE FW	1.1.0.1089	Intel® TXE FW kit – VIP
Intel® TXEI driver	1.0.0.1064	Intel® TXE FW kit – VIP

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## **3 Important Notes**

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- 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 might cause unexpected issues.
- Please use SPI Flash parts that align with the Bay Trail Platform SoC SPI Flash Compatibility Requirements document (IBL# 514482, section 3)
- Please note that Intel® TXEI driver for Android OS is provided as part of the Android based UEFI BIOS OS image.
- FPT, TXEInfo, TXEManuf tools do not support Windows 7. Customer requested to run TXE manufacturing tools in EFI Shell or WinPE environment.
- For Windows 7 OS only: Intel TXEI Driver uses KMDF (WDF) 1.11, which is built-in on Windows 8 and Windows 8.1. However, Windows 7 doesn't have it. Please install Kernel-Mode Driver Framework (KMDF) version 1.1. Otherwise, yellow bang appears on Intel TXEI device upon installation. Please follow instructions in this link: [KB2685811](#)
- Sample Signer tool reference code kit details available in section 1.2.

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