



Intel® Integrated Sensor Solution 5.4.2.4591

ISH Release

Release Notes

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Contents

Contents

1	Introduction	5
	1.1 Scope of Document.....	5
	1.2 Acronyms	5
2	Release Kit Details	6
	2.1 Release Version Numbering Information	6



1 Introduction

1.1 Scope of Document

This document provides information about release components included in the Intel® Integrated Sensor Solution 5.4 Firmware kit. Additionally, this document contains information about changes and closed/opened defects relevant for these firmware releases.

1.2 Acronyms

Term	Description
Intel® ISS 5.4	Intel® Integrated Sensor Solution 5.4
ISH	Integrated Sensor Hub (A.K.A. to ISS)
DFS	Data File System (section within the ME Region)
FDK	Firmware Development Kit
IUP	Independent Upgradable Partition
ISH	Integrated Sensor Hub
I ² C	Inter-Integrated Circuit, referred to as I-squared-C, I-two-C, or IIC.
MEU	Intel® Manifest Extension Utility
PDT	Platform Descriptor Table consisting of two sections: (1) sensor configuration including sensor driver and I2C address. (2) Calibration data including the sensor driver and I2C address.
SUT	System Under Test



2 Release Kit Details

This document covers Intel® Integrated Sensor Solution Firmware kit for all the supported platforms.

2.1 Release Version Numbering Information

Typical release version numbering is as follows (example):

5.x.y.z (for example: 5.0.0.zzzz) where:

'5' refers to the Intel® Integrated Sensor Solution Major release version for SKL 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.

2.2 Components

Component	File/Folder Name	Description
Firmware	<ul style="list-style-type: none"> Pre_Production_ishC_5.4.2.4591_ADL.bin Pre_Production_ishC_5.4.2.4591_ADL-N.bin Pre_Production_ishC_5.4.2.4591_RPL.bin Production_ishC_5.4.2.4591_ADL.bin Production_ishC_5.4.2.4591_ADL-N.bin Production_ishC_5.4.2.4591_RPL.bin 	<ul style="list-style-type: none"> Intel® Integrated Sensor Solution Firmware binary By default supports all sensors included in the Intel BOM list
Configuration files	<ul style="list-style-type: none"> INTC_pdt_ADL_MOSAIC_BOM1_SENSORS INTC_pdt_ADL_MOSAIC_BOM1_SENSORS_WIFI INTC_pdt_ADL_MOSAIC_BOM2_SENSORS INTC_pdt_ADL_CVF_ONLY_SENSORS 	<ul style="list-style-type: none"> Intel BOM default configurations for Intel® Integrated Sensor solution
OS Level Drivers	<ul style="list-style-type: none"> Drivers (3.1.0.4589) <ul style="list-style-type: none"> Bus HECI_ISH Miniport Drivers Installer <ul style="list-style-type: none"> SetupISS.exe MUP.xml WiXLicenseNote.txt 	<ul style="list-style-type: none"> Drivers and Installer to support Intel® Integrated Sensor Solution



PDT Editor	<ul style="list-style-type: none"> • PDT_Editor_1.0.5.481v17 	<ul style="list-style-type: none"> • Intel® Integrated Sensor Solution Configuration Tool <p>Note: This tool is also included in the Integrated Sensor FDK</p>
ISSU	<ul style="list-style-type: none"> • Windows64/EFI64 (version: 3.1.0.4589) • Intel(R) Integrated Sensor Solution Utility User Guide.pdf 	
Calibration Tool	<ul style="list-style-type: none"> • Windows/WinPE • Intel ISS Calibration Tool User Guide.pdf 	<p>Note: This tool is also included in the Integrated Sensor FDK</p>
Calibration Analysis Tool	<ul style="list-style-type: none"> • CalibrationAnalysisTool.exe • Calibration Analysis Tool- User Guide.pdf 	<ul style="list-style-type: none"> • Should be used for generating the Golden Reference for Per-Model Calibration
Trace Tools	<ul style="list-style-type: none"> • TraceConfigTool.exe • ISSTraceCollector.exe • TraceCatalog.xml • TraceComponents.xml 	
Intel Sensor Viewer Tool	<ul style="list-style-type: none"> • SensorViewer_v2.91.zip • Intel_Sensor_Viewer_Manual.pdf 	
ISH Diagnostic Tool	<ul style="list-style-type: none"> • ISHDiagnosticTool.app 1.0.0.1 • Intel ISH Diagnostic Tool User Guide.pdf 	
FDK SWAP package	<ul style="list-style-type: none"> • FDKTools_WS_5.4.2.4591.zip 	



3 Important Notes

Change List	
5.4.2.4591	* [FW][udriver] sensors config delete sx933x
5.4.2.4590	* [SW] change sddl to allow wmi to query driver version * [Tool][ISSU] add adl n deviceid to efi * [FW][algorithms] prevent the onlooker data output when hinge/plm changes * [FW][algorithms] ontable plm mode default value map * [FW][udriver] modify bmi260 data ready process * [FW][udriver] ish legacy fw support sx933x * [FW][udriver] vcnl4200 release interrupt pin before config gpio
5.4.2.4587v2	* [SW][installer] installer updated to support Ukrainian language * [FW][udriver] wifi sensing udriver updating to 0.10
5.4.2.4585	* [FW][PDT] add pdt for wifi sensing * [FW][algorithms] support wifi sensing
5.4.2.4582v3	* [FW][algorithms] eci add bist test level_1 * [FW][algorithms] enabled the screen angle for onlooker * [FW][core] ish legacy fw support i2c 16bit reg * [FW][algorithms] horizontal detection for ontable detection sensor
5.4.2.4579v3	* [SW] passed SV2 HLK testing and obtained MSFT 22H2 Signing * [FW][algorithms] fix the log decode issue and add reporter change event
5.4.2.4577	* [FW][algorithms] disable liveness when threshold set to 0 in PDT * [FW][algorithms] ignore the no presence timer when the display off was triggered by WAL(more details will be included in doc#570093)
5.4.2.4574	* [FW][core] add sensor vendor id for radar sensor * [FW][algorithms] add screen angle for biometric presence * [SW] enable production key signing for ADL-N * [Tool][ISSU] fix issue of show error in fail rate