



Intel® Innovation Platform Framework (IPF), Version 2.3.20303.5058

Release Notes

April 2026

Revision IPF - 2.3.20303.5058

Microsoft Windows* 11 x64

Platforms:

Wildcat Lake, Panther Lake, Arrow Lake S/HX Refresh

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Revision History

Revision Number	Description	Revision Date
2.3.20303.5058	• Wildcat Lake Consumer and Corporate Production PR2 Best Known Configuration (BKC) Software Package (Microsoft Windows 11 25H2 – 64 bit) WW20	May 2026
2.3.20303.5058	• Wildcat Lake Consumer and Corporate Production PR1 Best Known Configuration (BKC) Software Package (Microsoft Windows 11 25H2 – 64 bit) WW16 '26	April 2026
	• Wildcat Lake Consumer and Corporate Production Version (PV) Best Known Configuration (BKC) Software Package (Microsoft Windows 11 24H2 – 64 bit) WW13 '26	March 2026
	• Panther Lake(H404/H484/H12Xe) Consumer and Corporate PR3 Best Known Configuration (BKC) Software Package (Microsoft Windows 11 25H2 – 64 bit) WW13'2026	
2.3.20303.5058	• Arrow Lake Hx Refresh Consumer and Corporate Production PR1 Best Known Configuration (BKC) Software Package (Microsoft Windows 11 25H2– 64 bit) WW09 '26 • Arrow Lake S Refresh Consumer and Corporate Production PR1 Best Known Configuration (BKC) Software Package (Microsoft Windows 11 25H2– 64 bit) WW09 '26	February 2026
	• Wildcat Lake Consumer and Corporate QS Best Known Configuration (BKC) Software Package (Microsoft Windows 11 25H2 – 64 bit) WW07 '26	
	• Panther Lake(H404/H484/H12Xe) Consumer and Corporate Production PR1 Best Known Configuration (BKC) Software Package (Microsoft Windows 11 25H2 – 64 bit) WW06'2026	
	• Wildcat Lake (WCL-U) QS-WW05'26	February 2026
2.3.20301.5054	• Wildcat Lake Consumer and Corporate QS Best Known Configuration (BKC) Software Package (Microsoft Windows 11 24H2 – 64 bit) WW04 '26	January 2026
2.3.20302.5056	• Panther Lake(H404/H484/H12Xe) Corporate 23H2 Production Version (PV) unified with PTL Cons/Corp 25H2 Best Known Configuration (BKC) Software Package (Microsoft Windows 11 25H2/23H2 – 64 bit) WW03'2025	January 2026
2.3.20201.4882	• Panther Lake Early Enabling H12Xe (PC/PV) Consumer Best Known Configuration (BKC) Software Package (Microsoft Windows 11 25H2/24H2–64 bit) WW44-2025	October 2025
	• Panther Lake H12Xe/H404/H484(ES2/QS) Consumer and Corporate Best Known Configuration	

	(BKC) Software Package (Microsoft Windows 11 25H2/24H2-64 bit) WW44-2025	
	• Panther Lake Early Enabling H12Xe Consumer PR1 Best Known Configuration (BKC) Software Package (Microsoft Windows 11 25H2/24H2-64 bit) WW48-2025 • Panther Lake H12Xe/H404/H484(ES2/QS) Consumer and Corporate Best Known Configuration (BKC) Software Package (Microsoft Windows 11 25H2/24H2-64 bit) WW48-2025	November 2025

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1 *Release Kit Summary*

1.1 Release Kit Details

Kit Release	2.3.20302.5058
Target Platform	WCL, PTL, ARL-S Refresh, ARL-HX Refresh
Contents	IPF Driver

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2 General Information

2.1 Important Notes

This is the information for validated platforms at ingredient level. For a complete list of supported hardware and operating systems, please refer to platform BKC or contact your Intel representative.

2.2 Intended Audience

The target audiences for the release notes are OEM/ODM platform thermal and hardware engineers, BIOS and system software engineers, component ingredient (Wi-Fi PSM, WWAN, NVMe Storage, Camera) procurement and design engineers.

2.3 Supported OS

This package supports the following Operating Systems:
Microsoft Windows* 11 x64 Edition 24H2.

No support for Win10 and Win11 22H2

2.4 Supported Collaterals

Please refer to the below mentioned supporting documents for the latest update on IPF.

- Intel® Innovation Platform Framework (IPF) Configuration Guide #[638930](#)
- Intel® Innovation Platform Framework Namespace User Guide #[732035](#)
- Intel® Innovation Platform Framework 1.x BIOS Specification #[640237](#)
- Intel® Innovation Platform Framework (Intel® IPF) Client Development #[685592](#)
- Intel® Innovation Platform Framework (Intel® IPF) Provider Development Guide #[685487](#)

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3 Installation and Configuration

3.1 Intel® IPF Software Stack

Component	Remarks
IPF Windows Setup	Single installer package. Required for all client apps like DTT, XTU and CST.
IPF Windows SDK	IPF EF SDK, for development using IPF EF.
IPF Core SDK	This is IPF Core SDK package only – no EF SDK. This is for development purposes, contains IPF core SDK primitive commands

3.2 BIOS Setup Guide

Please make sure IPF is enabled in your BIOS setup menu.

1. Reboot the system and enter the BIOS setup screen.
2. Go to "Intel Advanced Menu".
3. Enter "Power & Performance", then "CPU – Power Management Control" page.
 - a. Make sure "Intel(R) SpeedStep(tm)" is enabled.
 - b. Make sure "Turbo Mode" is enabled.
4. Enter "Thermal Configuration ", then "Intel(R) Innovation Platform Framework (IPF) Configuration" page.
 - a. Ensure "Intel® Innovation Platform Framework" show as "Enabled".
 - b. Mostly everything will be pre-configured, so change settings as desired.
5. Save and Exit.

3.3 Intel® IPF Software Stack Installation

1. Install the Chipset and Graphic driver.
2. Install IPF infs. Once Installation is complete it will show under "System Devices" of Device Manager. The recommended way for installation is using pnputil commands.

```
# pnputil.exe /add-driver ipf_acpi.inf /install
# pnputil.exe /add-driver ipf_cpu.inf /install
```
3. Reboot your system.
4. Make sure no device is yellow bang in Device Manager.

Note: Single installer: IPF no longer has a separate installer for IPF Core and EF components. All components will show as 2.x in Device Manager.



Installation and Configuration

4 Features Added

ID #	Description	As of Version
HSDES# 16029344987	[RFIM][WCL] DSP changes to support RFIM tuning tool	2.3.20303.5058

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5 *Features Changed or Modified*

ID #	Description	As of Version
N/A	N/A	N/A

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6 *Features Deprecated/Removed*

ID #	Description	As of Version
N/A	N/A	N/A

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7 Issues Fixed

ID #	Description	As of Version
HSDDES# 16028422029	- Sporadically -136 DEG Observed for STRG Participant in Passive policy2 when Source and Target is selected as STRG Fix Details – Fix included performing the WDF IOCTL asynchronously to ensure -136 deg is not observed in the storage participant with/without load.	2.3.20303.5058
HSDDES# 14026422549	- PTL Win11 25H2_Hybrid Stress_CB_ SUT can't auto wake from CB. Fix Details -When any process is unloaded, under normal conditions, the resources are released and a "disconnect" is detected by IPF. In this case, the resources are not being released due to one thread not exiting gracefully. The fix will mitigate a "misbehaving" client.	
HSDDES# 14026555867	- [Win11_25H2][FC1][Basic] ID1000(ipf_helper.exe) shows up while running Reboot long run test Fix Details - The fix was just to add a missing NULL pointer check. This was found based on one of the customer sightings	
JIRA# IPFT-12450	- MSI package for PPP triggers foreground command prompt for pnputil execution Fix Details - This fix ensures that the pnputil execution happens in the background without any UI display	

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8 *Security Issues Fixed*

ID #	Description	As of Version
N/A	N/A	N/A

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9 *Known/New Issues*

ID#	Description	As of Version
N/A	N/A	N/A

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10 Kit Details

Additional Notes	As of Version
• Wildcat Lake Consumer and Corporate Production PR2 Best Known Configuration (BKC) Software Package (Microsoft Windows 11 25H2 – 64 bit) WW20	2.3.20303.5058
• Wildcat Lake Consumer and Corporate Production PR1 Best Known Configuration (BKC) Software Package (Microsoft Windows 11 25H2 – 64 bit) WW16 '26	
• Wildcat Lake Consumer and Corporate Production Version (PV) Best Known Configuration (BKC) Software Package (Microsoft Windows 11 24H2 – 64 bit) WW13 '26	
• Panther Lake(H404/H484/H12Xe) Consumer and Corporate PR3 Best Known Configuration (BKC) Software Package (Microsoft Windows 11 25H2 – 64 bit) WW13'2026	
• Wildcat Lake Consumer and Corporate QS Best Known Configuration (BKC) Software Package (Microsoft Windows 11 25H2 – 64 bit) WW07 '26	
• Panther Lake(H404/H484/H12Xe) Consumer and Corporate Production PR1 Best Known Configuration (BKC) Software Package (Microsoft Windows 11 25H2 – 64 bit) WW06'2026	
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