

The latest security information on Intel® products.

2023.4 IPU Out-of-Band (OOB) - Intel® Processor Advisory

Intel ID: INTEL-SA-00950	
Advisory Category:	Hardware
<u>Impact of vulnerability:</u>	Escalation of Privilege, Denial of Service, Information Disclosure
<u>Severity rating:</u>	HIGH
Original release:	11/14/2023
Last revised:	11/14/2023

Summary:

Report a Vulnerability Product Support

A potential security vulnerability in some Intel® Processors may allow escalation of privilege and/or information disclosure and/or denial of service via local access. Intel is releasing firmware updates to mitigate this potential vulnerability.

Vulnerability Details:

CVEID: CVE-2023-23583

Description: Sequence of processor instructions leads to unexpected behavior for some Intel(R) Processors may allow an authenticated user to potentially enable escalation of privilege and/or information disclosure and/or denial of service via local access.

CVSS Base Score: 8.8 High

CVSS Vector: CVSS:3.1/AV:L/AC:L/PR:L/UI:N/S:C/C:H/I:H/A:H

Affected Products:

Products with new microcode update:

Product Collection	Vertical Segment	CPU ID	Platform ID
10th Generation Intel® Core™ Processor Family	Mobile	706E5	80
3rd Generation Intel® Xeon® Processor Scalable Family	Server	606A6	87
Intel® Xeon® D Processor	Server	606C1	10
11th Generation Intel® Core Processor Family	Desktop	A0671	02
	Embedded	806C1	80
11th Generation Intel® Core Processor Family	Mobile	806C2	C2
	Embedded	806D1	C2
Intel® Server Processor	Server	A0671	02
	Embedded		

The following products have already been mitigated:

Product Collection	Vertical Segment	CPU ID	Platform ID	Mitigated Microcode Version
12th Generation Intel® Core™ Processor Family	Mobile	906A4	80	0x2b
4th Generation Intel® Xeon® Processor Scalable Family	Server	806F8	87	0x2B000461
13th Generation Intel® Core™ Processor Family	Desktop	B0671	01	0x410E

For an exhaustive list of processors please visit:

<https://www.intel.com/content/www/us/en/developer/topic-technology/software-security-guidance/processors-affected-consolidated-product-cpu-model.html>

Recommendation:

Intel recommends that users of listed Intel® Processors update to the latest versions provided by the system manufacturer that addresses these issues.

Please refer to the technical paper here

for additional information.

Acknowledgements:

[Report a Vulnerability](#) [Product Support](#)

Intel would like to thank Intel employees: Benoit Morgan, Paul Grosen, Thais Moreira Hamasaki, Ke Sun, Alyssa Milburn, Hisham Shafi, and Nir Shlomovich for finding this issue internally.

Intel would like to thank Google Employees: Tavis Ormandy, Daniel Moghimi, Josh Eads, Salman Qazi, Alexandra Sandulescu, Andy Nguyen, Eduardo Vela, Doug Kwan, and Kostik Shtoyk for also reporting this issue.

Intel, and nearly the entire technology industry, follows a disclosure practice called Coordinated Disclosure, under which a cybersecurity vulnerability is generally publicly disclosed only after mitigations are available.

Revision History

Revision	Date	Description
1.0	11/14/2023	Initial Release
1.1	11/14/2023	Updated recommendation technical paper link

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- The products and versions affected
- Detailed description of the vulnerability
- Information on known exploits

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- [Vulnerability handling guidelines](#)

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