



INTEL-SA-00238

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MICROPROCESSOR MEMORY MAPPING ADVISORY



Intel ID:	INTEL-SA-00238
Advisory Category:	Hardware
Impact of vulnerability:	Information Disclosure
Severity rating:	LOW
Original release:04	04/09/2019
Last revised:	04/09/2019

Summary:

A potential security vulnerability in some microprocessors may allow information disclosure.

Vulnerability Details:

CVEID: CVE-2019-0162

Description: Memory access in virtual memory mapping for some microprocessors may allow an authenticated user to potentially enable information disclosure via local access.

CVSS Base Score: 3.8 Low

CVSS Vector: CVSS:3.0/AV:L/AC:L/PR:L/UI:N/S:C/C:L/I:N/A:N

Affected Products:

Some Microprocessors with Virtual Memory Mapping.

Recommendations:

Intel recommends that users follow existing best practices to mitigate exploitation of this vulnerability. More information on these practices can be found here:

Security Best Practices For Side Channel Resistance:

Guidelines For Mitigating Timing Side Channels Against Cryptographic Implementations:

<https://software.intel.com/security-software-guidance/insights/guidelines-mitigating-timing-side-channels-against-cryptographic-implementations>

Additional information regarding Spoiler:

<https://software.intel.com/security-software-guidance/insights/more-information-spoiler>

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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	04/09/2019	Initial Release

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- › Information on known exploits




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