

Customer information

Dear customer,

Please be informed that Infineon products are NOT affected by the “Spectre” and “Meltdown” attack scenarios previously reported by the press.

What are “Spectre” and “Meltdown”?

Researchers have developed and recently published potential attack scenarios named “Spectre” and “Meltdown”, mainly targeting Intel, AMD and ARM microprocessors.

Those attacks are a combination of sophisticated software and hardware analysis. Their aim is to gain access to program code or data from processes of other users running on the same processor in multi-user systems.

“Spectre”, according to the developers, mainly affects specific Intel, AMD, and ARM processors.

“Meltdown” is probably effective against specific Intel processors only.

Why are Infineon products not affected?

The main precondition for effectiveness of these methods is the presence of a cache-based processor architecture using “speculative execution”.

This prerequisite is NOT met by the CPU architectures being used in Infineon’s products, e.g. XMC, Aurix, Auto, TPM, smartcard and all other embedded and IoT products, as speculative execution is NOT implemented.

Therefore, Infineon products are NOT affected by those attack techniques as described in the publications.

How can Infineon contribute to security in the connected world?

- Infineon’s dedicated security systems allow simple, fast and efficient management of access rights and secret keys even in highly complex environments. This is achieved by separated, highly tamper-resistant security subsystems that are protected against a vast variety of attack classes. Inherent severe threats to multi-user computer systems can thus be overcome.
- Infineon’s government-certified and banking-approved protection covers personal data and software code against eavesdropping and manipulation.
- Infineon’s hardware based security products are easy to integrate and use, re-gaining simplicity for security architectures in today’s complex systems.

Please do not hesitate to contact us – we will be glad to answer any questions you may have.

Yours sincerely,



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