

Date:	26.02.2018
Subject:	Meltdown/ Spectre Analysis
Severity rating:	Medium
Product:	XV/ XC/ XP device family / easy device family

General Information

For a device to be vulnerable against a Meltdown/ Spectre attack two conditions must be met.

1. CPU supporting needed technology
2. External process deployable

XV400/ XV100 easy 500/ 700/ 800

No risk regarding Meltdown/ Spectre due to the fact CPU doesn't support technology needed for this attack

XC300

In general used CPU is vulnerable against Meltdown/Spectre.

However currently the device does not offer the feature to deploy external processes.

So the overall risk regarding Meltdown/ Spectre is low.

XV300

In general used CPU is vulnerable against Meltdown/ Spectre.

However for standard usage of PLC component (PLC Program, Galileo Visualization) no additional process deployment is necessary and therefore not intended

We recommend protecting devices by normal IT security standards and to just use trustworthy software and sources.

XP 500

In general used CPU is vulnerable against Meltdown/ Spectre.

Operating System Windows Embedded Standard 7 is based on Windows 7, so installing and executing foreign programs and software lead to vulnerability against Meltdown/ Spectre.

We recommend protecting devices by normal IT security standards and to just use trustworthy software and sources.

Best practices

- Always install newest update from Eaton and only from Eaton
- Protect access to physical Ports and cabinet
- Deactivate unused ports/ services
- Change passwords regularly
- Always use least privilege.

Important Advice

Regardless of Meltdown/ Spectre, always be careful with deploying and using external processes (software, executables, programs, etc.), cause they could always cause major harm to your application, data and device.



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