

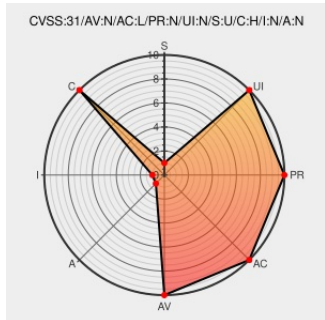


CVE-2020-27209

Published on: 05/20/2021 12:00:00 AM UTC

Last Modified on: 05/27/2021 06:21:00 PM UTC

CVE-2020-27209

[Source: Mitre](#)[Source: NIST](#)[CVE.ORG](#)[Print: PDF](#) 

Certain versions of [Micro-ecc](#) from [Micro-ecc Project](#) contain the following vulnerability:

The ECDSA operation of the micro-ecc library 1.0 is vulnerable to simple power analysis attacks which allows an adversary to extract the private ECC key.

CVE-2020-27209 has been assigned by [M](#) cve@mitre.org to track the vulnerability - currently rated as **HIGH** severity.

CVSS3 Score: **7.5 - HIGH**

Attack Vector	Attack Complexity	Privileges Required	User Interaction
NETWORK	LOW	NONE	NONE
Scope	Confidentiality Impact	Integrity Impact	Availability Impact
UNCHANGED	HIGH	NONE	NONE

CVSS2 Score: **5 - MEDIUM**

Access Vector	Access Complexity	Authentication
NETWORK	LOW	NONE
Confidentiality Impact	Integrity Impact	Availability Impact
PARTIAL	NONE	NONE

CVE References

Description	Tags	Link
Releases · kmackay/micro-ecc · GitHub	github.com text/html	MISC github.com/kmackay/micro-ecc/releases
Security and Trust in Open Source Security Tokens - Fraunhofer AISEC	www.aisec.fraunhofer.de text/html	MISC www.aisec.fraunhofer.de/de/das-institut/wissenschaftliche-exzellenz/security-and-trust-in-

Fix for #168 · kmackay/micro-ecc@1b5f5ce · GitHub

[github.com](#)
[text/html](#)

 MISC github.com/kmackay/micro-ecc/commit/1b5f5cea5145c96dd8791b9b2c41424fc74c2172

Cryptology ePrint Archive: Report 2021/640 - Security and Trust in Open Source Security Tokens

[eprint.iacr.org](#)
[text/html](#)

 MISC eprint.iacr.org/2021/640

Shedding too much Light on a Microcontroller's Firmware Protection - Fraunhofer AISEC

[www.aisec.fraunhofer.de](#)
[text/html](#)

 MISC
www.aisec.fraunhofer.de/en/FirmwareProtection.html

By selecting these links, you may be leaving CVEreport webspace. We have provided these links to other websites because they may have information that would be of interest to you. No inferences should be drawn on account of other sites being referenced, or not, from this page. There may be other websites that are more appropriate for your purpose. CVEreport does not necessarily endorse the views expressed, or concur with the facts presented on these sites. Further, CVEreport does not endorse any commercial products that may be mentioned on these sites. Please address comments about any linked pages to comment@cve.report.

There are currently no QIDs associated with this CVE

Known Affected Configurations (CPE V2.3)

Type	Vendor	Product	Version	Update	Edition	Language
Application	Micro-ecc Project	Micro-ecc	1.0	All	All	All
cpe:2.3:a:micro-ecc_project:micro-ecc:1.0:*:*:*:*:*:						

No vendor comments have been submitted for this CVE

Social Mentions

Source	Title	Posted (UTC)
 @CVEreport	CVE-2020-27209 : The ECDSA operation of the micro-ecc library 1.0 is vulnerable to simple power analysis attacks wh... twitter.com/i/web/status/1...	2021-05-20 21:07:40
 /r/netcve	CVE-2020-27209	2021-05-20 21:41:32

[← Previous ID](#)

[Next ID →](#)

© CVE.report 2023   |

Use of this information constitutes acceptance for use in an AS IS condition. There are NO warranties, implied or otherwise, with regard to this information or its use. Any use of this information is at the user's risk. It is the responsibility of user to evaluate the accuracy, completeness or usefulness of any information, opinion, advice or other content. EACH USER WILL BE SOLELY RESPONSIBLE FOR ANY consequences of his or her direct or indirect use of this web site. ALL WARRANTIES OF ANY KIND ARE EXPRESSLY DISCLAIMED. This site will NOT BE LIABLE FOR ANY DIRECT, INDIRECT or any other kind of loss.

CVE, CWE, and OVAL are registered trademarks of [The MITRE Corporation](#) and the authoritative source of CVE content is [MITRE's CVE web site](#). This site includes MITRE data granted under the following [license](#).

CVE.report and Source URL Uptime Status [status.cve.report](#)