

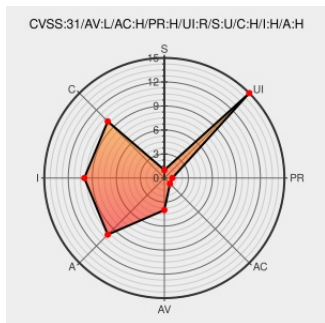


# CVE-2023-20851

Published on: Not Yet Published

Last Modified on: 09/07/2023 07:10:00 PM UTC

## CVE-2023-20851

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

Certain versions of [Android](#) from [Google](#) contain the following vulnerability:

In stc, there is a possible out of bounds read due to a race condition. This could lead to local escalation of privilege with System execution privileges needed. User interaction is needed for exploitation. Patch ID: ALPS08048635; Issue ID: ALPS08048635.

CVE-2023-20851 has been assigned by [security@mediatek.com](#) to track the vulnerability - currently rated as **MEDIUM** severity.

Affected Vendor/Software: [MediaTek, Inc.](#) - MT8188 version = **Android 11.0, 13.0**

CVSS3 Score: **6.3 - MEDIUM**

| Attack Vector    | Attack Complexity      | Privileges Required | User Interaction    |
|------------------|------------------------|---------------------|---------------------|
| <b>LOCAL</b>     | <b>HIGH</b>            | <b>HIGH</b>         | <b>REQUIRED</b>     |
| Scope            | Confidentiality Impact | Integrity Impact    | Availability Impact |
| <b>UNCHANGED</b> | <b>HIGH</b>            | <b>HIGH</b>         | <b>HIGH</b>         |

## CVE References

| Description    | Tags                                                           | Link                                                                            |
|----------------|----------------------------------------------------------------|---------------------------------------------------------------------------------|
| September 2023 | <a href="#">corp.mediatek.com</a><br><a href="#">text/html</a> | <a href="#">MISC corp.mediatek.com/product-security-bulletin/September-2023</a> |

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](mailto:comment@cve.report).

There are currently no QIDs associated with this CVE

Known Affected Configurations (CVE-1000)

| Known Affected Configurations (CPE V2.3)                                                   |          |         |         |                           |         |          |
|--------------------------------------------------------------------------------------------|----------|---------|---------|---------------------------|---------|----------|
| Type                                                                                       | Vendor   | Product | Version | Update                    | Edition | Language |
| Operating System                                                                           | Google   | Android | 11.0    | All                       | All     | All      |
| Operating System                                                                           | Google   | Android | 13.0    | All                       | All     | All      |
| Hardware  | Mediatek | Mt8188  | -       | All                       | All     | All      |
| cpe:2.3:o:google:android:11.0:~::~~::~~::~~::~~::~~::~~::                                  |          |         |         |                           |         |          |
| cpe:2.3:o:google:android:13.0:~::~~::~~::~~::~~::~~::~~::                                  |          |         |         |                           |         |          |
| cpe:2.3:h:mediatek:mt8188:-::~~::~~::~~::~~::~~::~~::~~::                                  |          |         |         |                           |         |          |
| No vendor comments have been submitted for this CVE                                        |          |         |         |                           |         |          |
| <a href="#">← Previous ID</a>                                                              |          |         |         | <a href="#">Next ID →</a> |         |          |