



# CVE-2023-20703

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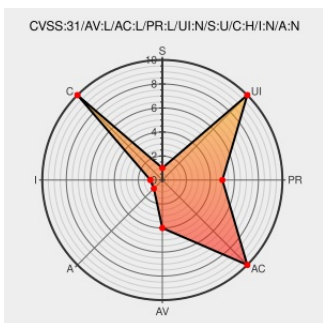
## CVE-2023-20703

Source: Mitre

Source: NIST

CVE.ORG

Print: PDF



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

In apu, there is a possible out of bounds read due to a missing bounds check. This could lead to local information disclosure with no additional execution privileges needed. User interaction is not needed for exploitation. Patch ID: ALPS07767853; Issue ID: ALPS07767853.

CVE-2023-20703 has been assigned by [security@mediatek.com](#) to track the vulnerability - currently rated as **MEDIUM** severity.

Affected Vendor/Software: [MediaTek, Inc.](#) - **MT6853, MT6853T, MT6873, MT6875, MT6877, MT6879, MT6883, MT6885, MT6889, MT6891, MT6893, MT8183, MT8195** version **Android 12.0, 13.0**

CVSS3 Score: **5.5 - MEDIUM**

| Attack Vector    | Attack Complexity      | Privileges Required | User Interaction    |
|------------------|------------------------|---------------------|---------------------|
| <b>LOCAL</b>     | <b>LOW</b>             | <b>LOW</b>          | <b>NONE</b>         |
| Scope            | Confidentiality Impact | Integrity Impact    | Availability Impact |
| <b>UNCHANGED</b> | <b>HIGH</b>            | <b>NONE</b>         | <b>NONE</b>         |

## CVE References

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

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There are currently no QIDs associated with this CVE

### Known Affected Configurations (CPE V2.3)

| Type                                                                                                                                                                                 | Vendor   | Product | Version | Update | Edition | Language |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|---------|---------|--------|---------|----------|
| Operating System                                                                                                                                                                     | Google   | Android | 12.0    | All    | All     | All      |
| Operating System                                                                                                                                                                     | Google   | Android | 13.0    | All    | All     | All      |
| Hardware       | Mediatek | Mt6853  | -       | All    | All     | All      |
| Hardware       | Mediatek | Mt6853t | -       | All    | All     | All      |
| Hardware       | Mediatek | Mt6873  | -       | All    | All     | All      |
| Hardware       | Mediatek | Mt6875  | -       | All    | All     | All      |
| Hardware       | Mediatek | Mt6877  | -       | All    | All     | All      |
| Hardware       | Mediatek | Mt6879  | -       | All    | All     | All      |
| Hardware       | Mediatek | Mt6883  | -       | All    | All     | All      |
| Hardware       | Mediatek | Mt6885  | -       | All    | All     | All      |
| Hardware       | Mediatek | Mt6889  | -       | All    | All     | All      |
| Hardware     | Mediatek | Mt6891  | -       | All    | All     | All      |
| Hardware   | Mediatek | Mt6893  | -       | All    | All     | All      |
| Hardware   | Mediatek | Mt8183  | -       | All    | All     | All      |
| Hardware   | Mediatek | Mt8195  | -       | All    | All     | All      |

```
cpe:2.3:o:google:android:12.0:*****:.*:
```

cpe:2.3:o:google:android:13.0:\*\*\*\*\*:

```
cpe:2.3:h:mediatek:mt6853:-:*:*:*:*:*:
```

```
cpe:2.3:h:mediatek:mt6853t:-:*:*:*:*:*:
```

cpe:2.3:h:mediatek:mt6873:-:\*:\*:\*:\*:\*:

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cpe:2.3:h:mediatek:mt6875:-:*:*:*:*:*:
```

cpe:2.3:h:mediatek:mt6877:-:\*:\*:\*:\*:\*:

cpe:2.3:h:mediatek:mt6879:-:\*:\*:\*:\*:\*:

cpe:2.3:h:mediatek:mt6883:-:\*:\*:\*:\*:\*:

```
cpe:2.3:h:mediatek:mt6885:-:*:*:*:*:*:
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cpe:2.3:h:mediatek:mt6889:-:\*:\*:\*:\*:\*:

cpe:2.3:h:mediatek:mt6891:-:\*:\*:\*:\*:\*:

| cpe:2.3:h:mediatek:mt6893:-:~::~~::~~::~~::~~::~~::~~::                                     |                                                                                                                                                                                                             |                          |
|---------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------|
| cpe:2.3:h:mediatek:mt8183:-:~::~~::~~::~~::~~::~~::~~::                                     |                                                                                                                                                                                                             |                          |
| cpe:2.3:h:mediatek:mt8195:-:~::~~::~~::~~::~~::~~::~~::                                     |                                                                                                                                                                                                             |                          |
| No vendor comments have been submitted for this CVE                                         |                                                                                                                                                                                                             |                          |
| Social Mentions                                                                             |                                                                                                                                                                                                             |                          |
| Source                                                                                      | Title                                                                                                                                                                                                       | Posted (UTC)             |
|  @CVereport | CVE-2023-20703 : In apu, there is a possible out of bounds read due to a missing bounds check.<br>This could lead to l... <a href="https://twitter.com/i/web/status/1...">twitter.com/i/web/status/1...</a> | 2023-05-15<br>22:10:27   |
| <a href="#">← Previous ID</a>                                                               |                                                                                                                                                                                                             | <a href="#">Next ID→</a> |

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