



# CVE-2023-20609

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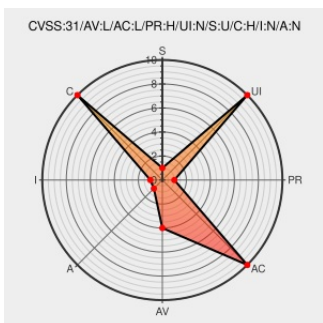
## CVE-2023-20609

Source: Mitre

Source: NIST

CVE.ORG

Print: PDF



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

In ccu, there is a possible out of bounds read due to a logic error. This could lead to local information disclosure with System execution privileges needed. User interaction is not needed for exploitation. Patch ID: ALPS07570864; Issue ID: ALPS07570864.

CVE-2023-20609 has been assigned by [security@mediatek.com](#) to track the vulnerability - currently rated as **MEDIUM** severity.

Affected Vendor/Software: [MediaTek, Inc.](#) - **MT6833, MT6853, MT6873, MT6877, MT6885, MT6893, MT8768, MT8786, MT8791, MT8797** version **Android 11.0, 12.0, 13.0**

CVSS3 Score: **4.4 - MEDIUM**

| Attack Vector    | Attack Complexity      | Privileges Required | User Interaction    |
|------------------|------------------------|---------------------|---------------------|
| <b>LOCAL</b>     | <b>LOW</b>             | <b>HIGH</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                                                                           |
|---------------|----------------------------------------------------------------|--------------------------------------------------------------------------------|
| February 2023 | <a href="#">corp.mediatek.com</a><br><a href="#">text/html</a> | <a href="#">MISC corp.mediatek.com/product-security-bulletin/February-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 | 11.0    | All    | All     | All      |
| Operating System                                                                                                                                                                 | Google   | Android | 12.0    | All    | All     | All      |
| Operating System                                                                                                                                                                 | Google   | Android | 13.0    | All    | All     | All      |
| Hardware       | Mediatek | Mt6833  | -       | All    | All     | All      |
| Hardware       | Mediatek | Mt6853  | -       | All    | All     | All      |
| Hardware       | Mediatek | Mt6873  | -       | All    | All     | All      |
| Hardware       | Mediatek | Mt6877  | -       | All    | All     | All      |
| Hardware       | Mediatek | Mt6885  | -       | All    | All     | All      |
| Hardware       | Mediatek | Mt6893  | -       | All    | All     | All      |
| Hardware       | Mediatek | Mt8768  | -       | All    | All     | All      |
| Hardware       | Mediatek | Mt8786  | -       | All    | All     | All      |
| Hardware   | Mediatek | Mt8791  | -       | All    | All     | All      |
| Hardware   | Mediatek | Mt8797  | -       | All    | All     | All      |
| cpe:2.3:o:google:android:11.0:*****:.*                                                                                                                                           |          |         |         |        |         |          |
| cpe:2.3:o:google:android:12.0:*****:.*                                                                                                                                           |          |         |         |        |         |          |
| cpe:2.3:o:google:android:13.0:*****:.*                                                                                                                                           |          |         |         |        |         |          |
| cpe:2.3:h:mediatek:mt6833:-:*****:.*                                                                                                                                             |          |         |         |        |         |          |
| cpe:2.3:h:mediatek:mt6853:-:*****:.*                                                                                                                                             |          |         |         |        |         |          |
| cpe:2.3:h:mediatek:mt6873:-:*****:.*                                                                                                                                             |          |         |         |        |         |          |
| cpe:2.3:h:mediatek:mt6877:-:*****:.*                                                                                                                                             |          |         |         |        |         |          |
| cpe:2.3:h:mediatek:mt6885:-:*****:.*                                                                                                                                             |          |         |         |        |         |          |
| cpe:2.3:h:mediatek:mt6893:-:*****:.*                                                                                                                                             |          |         |         |        |         |          |
| cpe:2.3:h:mediatek:mt8768:-:*****:.*                                                                                                                                             |          |         |         |        |         |          |
| cpe:2.3:h:mediatek:mt8786:-:*****:.*                                                                                                                                             |          |         |         |        |         |          |
| cpe:2.3:h:mediatek:mt8791:-:*****:.*                                                                                                                                             |          |         |         |        |         |          |
| cpe:2.3:h:mediatek:mt8797:-:*****:.*                                                                                                                                             |          |         |         |        |         |          |

No vendor comments have been submitted for this CVE

## Social Mentions

| Source                                                                                         | Title                                                                                                                                                                                                           | Posted (UTC)        |
|------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------|
|  @CVereport    | CVE-2023-20609 : In ccu, there is a possible out of bounds read due to a logic error. This could lead to local info... <a href="https://twitter.com/i/web/status/1...">twitter.com/i/web/status/1...</a>        | 2023-02-06 20:17:42 |
|  @RedPacketSec | MediaTek Android information disclosure   CVE-2023-20609 - <a href="https://redpacketsecurity.com/mediatek-andro...">redpacketsecurity.com/mediatek-andro...</a> #CVE #Vulnerability #OSINT #ThreatIntel #Cyber | 2023-02-12 10:03:24 |

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