



# CVE-2023-20619

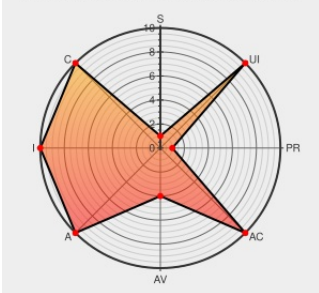
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## CVE-2023-20619

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

CVSS:31/AV:L/AC:L/PR:H/UI:N/S:U/C:H/I:H/A:H



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

In vcu, there is a possible memory corruption due to improper locking. This could lead to local escalation of privilege with System execution privileges needed. User interaction is not needed for exploitation. Patch ID: ALPS07519159; Issue ID: ALPS07519159.

CVE-2023-20619 has been assigned by [security@mediatek.com](#) to track the vulnerability - currently rated as **MEDIUM** severity.

Affected Vendor/Software: [MediaTek, Inc.](#) - **MT6761, MT6762, MT6768, MT6769, MT6779, MT6781, MT6785, MT6789, MT6833, MT6853, MT6853T, MT6873, MT6875, MT6877, MT6883, MT6885, MT6889, MT6891, MT6893, MT8185, MT8786, MT8789, MT8791, MT8797** version **Android 11.0, 12.0, 13.0**

CVSS3 Score: **6.7 - 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>HIGH</b>         | <b>HIGH</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 | Mt6761  | -       | All    | All     | All      |
| Hardware       | Mediatek | Mt6762  | -       | All    | All     | All      |
| Hardware       | Mediatek | Mt6768  | -       | All    | All     | All      |
| Hardware       | Mediatek | Mt6769  | -       | All    | All     | All      |
| Hardware       | Mediatek | Mt6779  | -       | All    | All     | All      |
| Hardware       | Mediatek | Mt6781  | -       | All    | All     | All      |
| Hardware       | Mediatek | Mt6785  | -       | All    | All     | All      |
| Hardware   | Mediatek | Mt6789  | -       | All    | All     | All      |
| Hardware   | Mediatek | Mt6833  | -       | 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 | 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 | Mt8185  | -       | All    | All     | All      |
| Hardware   | Mediatek | Mt8786  | -       | All    | All     | All      |
| Hardware   | Mediatek | Mt8789  | -       | All    | All     | All      |
| Hardware   | Mediatek | Mt8791  | -       | All    | All     | All      |
| Hardware   | Mediatek | Mt8797  | -       | All    | All     | All      |
| enc:2 3:o:google:android:11.0:*****                                                                                                                                              |          |         |         |        |         |          |

```
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:mt6761:-:*****:   |
| cpe:2.3:h:mediatek:mt6762:-:*****:   |
| cpe:2.3:h:mediatek:mt6768:-:*****:   |
| cpe:2.3:h:mediatek:mt6769:-:*****:   |
| cpe:2.3:h:mediatek:mt6779:-:*****:   |
| cpe:2.3:h:mediatek:mt6781:-:*****:   |
| cpe:2.3:h:mediatek:mt6785:-:*****:   |
| cpe:2.3:h:mediatek:mt6789:-:*****:   |
| cpe:2.3:h:mediatek:mt6833:-:*****:   |
| cpe:2.3:h:mediatek:mt6853:-:*****:   |
| cpe:2.3:h:mediatek:mt6853t:-:*****:  |
| cpe:2.3:h:mediatek:mt6873:-:*****:   |
| cpe:2.3:h:mediatek:mt6875:-:*****:   |
| cpe:2.3:h:mediatek:mt6877:-:*****:   |
| cpe:2.3:h:mediatek:mt6883:-:*****:   |
| cpe:2.3:h:mediatek:mt6885:-:*****:   |
| cpe:2.3:h:mediatek:mt6889:-:*****:   |
| cpe:2.3:h:mediatek:mt6891:-:*****:   |
| cpe:2.3:h:mediatek:mt6893:-:*****:   |
| cpe:2.3:h:mediatek:mt8185:-:*****:   |
| cpe:2.3:h:mediatek:mt8786:-:*****:   |
| cpe:2.3:h:mediatek:mt8789:-:*****:   |
| cpe:2.3:h:mediatek:mt8791:-:*****:   |
| cpe:2.3:h:mediatek:mt8797:-:*****:   |

No vendor comments have been submitted for this CVE

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