



# CVE-2023-20818

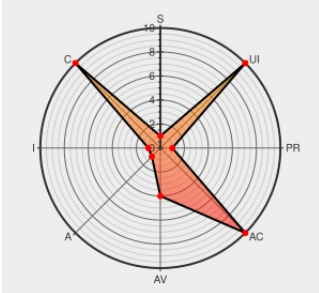
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## CVE-2023-20818

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

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



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

In wlan service, there is a possible out of bounds read due to improper input validation. This could lead to local information disclosure with System execution privileges needed. User interaction is not needed for exploitation. Patch ID: ALPS07460540; Issue ID: ALPS07460540.

CVE-2023-20818 has been assigned by [security@mediatek.com](#) to track the vulnerability - currently rated as **MEDIUM** severity.

Affected Vendor/Software: [MediaTek, Inc.](#) - **MT6580, MT6739, MT6761, MT6765, MT6768, MT6779, MT6781, MT6833, MT6853, MT6853T, MT6855, MT6873, MT6875, MT6877, MT6879, MT6883, MT6885, MT6886, MT6889, MT6891, MT6893, MT6895, MT6983, MT6985** version = **Android 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                                                                         |
|-------------|----------------------------------------------------------------|------------------------------------------------------------------------------|
| August 2023 | <a href="#">corp.mediatek.com</a><br><a href="#">text/html</a> | <a href="#">MISC corp.mediatek.com/product-security-bulletin/August-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 | Mt6580  | -       | All    | All     | All      |
| Hardware       | Mediatek | Mt6739  | -       | All    | All     | All      |
| Hardware       | Mediatek | Mt6761  | -       | All    | All     | All      |
| Hardware       | Mediatek | Mt6765  | -       | All    | All     | All      |
| Hardware       | Mediatek | Mt6768  | -       | All    | All     | All      |
| Hardware       | Mediatek | Mt6779  | -       | All    | All     | All      |
| Hardware       | Mediatek | Mt6781  | -       | All    | All     | All      |
| Hardware       | Mediatek | Mt6833  | -       | All    | All     | All      |
| Hardware     | Mediatek | Mt6853  | -       | All    | All     | All      |
| Hardware   | Mediatek | Mt6853t | -       | All    | All     | All      |
| Hardware   | Mediatek | Mt6855  | -       | 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 | Mt6886  | -       | All    | All     | All      |
| Hardware   | Mediatek | Mt6889  | -       | All    | All     | All      |
| Hardware   | Mediatek | Mt6891  | -       | All    | All     | All      |
| Hardware   | Mediatek | Mt6893  | -       | All    | All     | All      |
| Hardware   | Mediatek | Mt6895  | -       | All    | All     | All      |
| Hardware   | Mediatek | Mt6983  | -       | All    | All     | All      |
| Hardware   | Mediatek | Mt6985  | -       | All    | All     | All      |
| cpe:2.3:o:google:android:12.0:*****:                                                                                                                                             |          |         |         |        |         |          |
| cpe:2.3:o:google:android:13.0:*****:                                                                                                                                             |          |         |         |        |         |          |

|                                                       |
|-------------------------------------------------------|
| cpe:2.3:h:mediatek:mt6580:-:~::~~::~~::~~::~~::~~:::  |
| cpe:2.3:h:mediatek:mt6739:-:~::~~::~~::~~::~~::~~:::  |
| cpe:2.3:h:mediatek:mt6761:-:~::~~::~~::~~::~~::~~:::  |
| cpe:2.3:h:mediatek:mt6765:-:~::~~::~~::~~::~~::~~:::  |
| cpe:2.3:h:mediatek:mt6768:-:~::~~::~~::~~::~~::~~:::  |
| cpe:2.3:h:mediatek:mt6779:-:~::~~::~~::~~::~~::~~:::  |
| cpe:2.3:h:mediatek:mt6781:-:~::~~::~~::~~::~~::~~:::  |
| cpe:2.3:h:mediatek:mt6833:-:~::~~::~~::~~::~~::~~:::  |
| cpe:2.3:h:mediatek:mt6853:-:~::~~::~~::~~::~~::~~:::  |
| cpe:2.3:h:mediatek:mt6853t:-:~::~~::~~::~~::~~::~~::: |
| cpe:2.3:h:mediatek:mt6855:-:~::~~::~~::~~::~~::~~:::  |
| cpe:2.3:h:mediatek:mt6873:-:~::~~::~~::~~::~~::~~:::  |
| 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:-:~::~~::~~::~~::~~::~~:::  |
| cpe:2.3:h:mediatek:mt6886:-:~::~~::~~::~~::~~::~~:::  |
| cpe:2.3:h:mediatek:mt6889:-:~::~~::~~::~~::~~::~~:::  |
| cpe:2.3:h:mediatek:mt6891:-:~::~~::~~::~~::~~::~~:::  |
| cpe:2.3:h:mediatek:mt6893:-:~::~~::~~::~~::~~::~~:::  |
| cpe:2.3:h:mediatek:mt6895:-:~::~~::~~::~~::~~::~~:::  |
| cpe:2.3:h:mediatek:mt6983:-:~::~~::~~::~~::~~::~~:::  |
| cpe:2.3:h:mediatek:mt6985:-:~::~~::~~::~~::~~::~~:::  |

No vendor comments have been submitted for this CVE

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