



# CVE-2022-20083

[MITRE](#)[NVD](#)[CVE.ORG](#)[Print: PDF](#)

## Summary

|                        |   |
|------------------------|---|
| <b>CVE</b>             | CVE-2022-20083  |
| <b>State</b>           | PUBLIC  |
| <b>Assigner</b>        | security@mediatek.com   |
| <b>Source Priority</b> | CVE Program / NVD first with legacy fallback  |
| <b>Published</b>       | 2022-07-06 14:15:00 UTC   |
| <b>Updated</b>         | 2022-07-14 01:28:00 UTC   |
| <b>Description</b>     | In Modem 2G/3G CC, there is a possible out of bounds write due to a missing bounds check. This could lead to remote cod |

## Risk And Classification

### Problem Types: CWE-787

## NVD Known Affected Configurations (CPE 2.3)

| Type             | Vendor                   | Product | Version | Update | Edition | Language |
|------------------|--------------------------|---------|---------|--------|---------|----------|
| Operating System | <a href="#">Mediatek</a> | Lr11    | -       | All    | All     | All      |
| Operating System | <a href="#">Mediatek</a> | Lr12    | -       | All    | All     | All      |
| Operating System | <a href="#">Mediatek</a> | Lr12a   | -       | All    | All     | All      |
| Operating System | <a href="#">Mediatek</a> | Lr13    | -       | All    | All     | All      |
| Operating System | <a href="#">Mediatek</a> | Lr9     | -       | All    | All     | All      |
| Hardware         | <a href="#">Mediatek</a> | Mt2731  | -       | All    | All     | All      |
| Hardware         | <a href="#">Mediatek</a> | Mt2735  | -       | All    | All     | All      |
| Hardware         | <a href="#">Mediatek</a> | Mt6297  | -       | All    | All     | All      |
| Hardware         | <a href="#">Mediatek</a> | Mt6725  | -       | All    | All     | All      |
| Hardware         | <a href="#">Mediatek</a> | Mt6735  | -       | All    | All     | All      |
| Hardware         | <a href="#">Mediatek</a> | Mt6737  | -       | All    | All     | All      |
| Hardware         | <a href="#">Mediatek</a> | Mt6739  | -       | All    | All     | All      |
| Hardware         | <a href="#">Mediatek</a> | Mt6750  | -       | All    | All     | All      |
| Hardware         | <a href="#">Mediatek</a> | Mt6750s | -       | All    | All     | All      |
| Hardware         | <a href="#">Mediatek</a> | Mt6755  | -       | All    | All     | All      |
| Hardware         | <a href="#">Mediatek</a> | Mt6757  | -       | All    | All     | All      |
| Hardware         | <a href="#">Mediatek</a> | Mt6757p | -       | All    | All     | All      |

|          |          |         |   |     |     |     |
|----------|----------|---------|---|-----|-----|-----|
| Hardware | Mediatek | Mt6758  | - | All | All | All |
| Hardware | Mediatek | Mt6761  | - | All | All | All |
| Hardware | Mediatek | Mt6762  | - | All | All | All |
| Hardware | Mediatek | Mt6762d | - | All | All | All |
| Hardware | Mediatek | Mt6762m | - | All | All | All |
| Hardware | Mediatek | Mt6763  | - | All | All | All |
| Hardware | Mediatek | Mt6765  | - | All | All | All |
| Hardware | Mediatek | Mt6765t | - | All | All | All |
| Hardware | Mediatek | Mt6767  | - | All | All | All |
| Hardware | Mediatek | Mt6768  | - | All | All | All |
| Hardware | Mediatek | Mt6769  | - | All | All | All |
| Hardware | Mediatek | Mt6769t | - | All | All | All |
| Hardware | Mediatek | Mt6769z | - | All | All | All |
| Hardware | Mediatek | Mt6771  | - | All | All | All |
| Hardware | Mediatek | Mt6775  | - | All | All | All |
| Hardware | Mediatek | Mt6779  | - | All | All | All |
| Hardware | Mediatek | Mt6781  | - | All | All | All |
| Hardware | Mediatek | Mt6783  | - | All | All | All |
| Hardware | Mediatek | Mt6785  | - | All | All | All |
| Hardware | Mediatek | Mt6785t | - | All | All | All |
| Hardware | Mediatek | Mt6789  | - | All | All | All |
| Hardware | Mediatek | Mt6797  | - | All | All | All |
| Hardware | Mediatek | Mt6799  | - | All | All | All |
| Hardware | Mediatek | Mt6833  | - | All | All | All |
| Hardware | Mediatek | Mt6853  | - | 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 | Mt6880  | - | All | All | All |
| Hardware | Mediatek | Mt6883  | - | All | All | All |
| Hardware | Mediatek | Mt6885  | - | All | All | All |
| Hardware | Mediatek | Mt6889  | - | All | All | All |
| Hardware | Mediatek | Mt6890  | - | All | All | All |

|                  |                          |                         |   |     |     |     |
|------------------|--------------------------|-------------------------|---|-----|-----|-----|
| Hardware         | <a href="#">Mediatek</a> | <a href="#">Mt6891</a>  | - | All | All | All |
| Hardware         | <a href="#">Mediatek</a> | <a href="#">Mt6893</a>  | - | All | All | All |
| Hardware         | <a href="#">Mediatek</a> | <a href="#">Mt6895</a>  | - | All | All | All |
| Hardware         | <a href="#">Mediatek</a> | <a href="#">Mt6983</a>  | - | All | All | All |
| Hardware         | <a href="#">Mediatek</a> | <a href="#">Mt8666</a>  | - | All | All | All |
| Hardware         | <a href="#">Mediatek</a> | <a href="#">Mt8667</a>  | - | All | All | All |
| Hardware         | <a href="#">Mediatek</a> | <a href="#">Mt8675</a>  | - | All | All | All |
| Hardware         | <a href="#">Mediatek</a> | <a href="#">Mt8735a</a> | - | All | All | All |
| Hardware         | <a href="#">Mediatek</a> | <a href="#">Mt8735b</a> | - | All | All | All |
| Hardware         | <a href="#">Mediatek</a> | <a href="#">Mt8765</a>  | - | All | All | All |
| Hardware         | <a href="#">Mediatek</a> | <a href="#">Mt8766</a>  | - | All | All | All |
| Hardware         | <a href="#">Mediatek</a> | <a href="#">Mt8768</a>  | - | All | All | All |
| Hardware         | <a href="#">Mediatek</a> | <a href="#">Mt8771</a>  | - | All | All | All |
| Hardware         | <a href="#">Mediatek</a> | <a href="#">Mt8781</a>  | - | All | All | All |
| Hardware         | <a href="#">Mediatek</a> | <a href="#">Mt8786</a>  | - | All | All | All |
| Hardware         | <a href="#">Mediatek</a> | <a href="#">Mt8788</a>  | - | All | All | All |
| Hardware         | <a href="#">Mediatek</a> | <a href="#">Mt8789</a>  | - | All | All | All |
| Hardware         | <a href="#">Mediatek</a> | <a href="#">Mt8791</a>  | - | All | All | All |
| Hardware         | <a href="#">Mediatek</a> | <a href="#">Mt8797</a>  | - | All | All | All |
| Operating System | <a href="#">Mediatek</a> | <a href="#">Nr15</a>    | - | All | All | All |
| Operating System | <a href="#">Mediatek</a> | <a href="#">Nr16</a>    | - | All | All | All |

## References

| Reference                | Source  | Link   | Tags                |
|--------------------------|---------|--|---------------------|
| July 2022                | MISC    | <a href="http://corp.mediatek.com">corp.mediatek.com</a> |                     |
| CVE Program record       | CVE.ORG | <a href="http://www.cve.org">www.cve.org</a>             | canonical           |
| NVD vulnerability detail | NVD     | <a href="http://nvd.nist.gov">nvd.nist.gov</a>           | canonical, analysis |

No vendor comments have been submitted for this CVE.

## Legacy QID Mappings

[610424](#) Google Android Devices July 2022 Security Patch Missing

[610435](#) Google Android August 2022 Security Patch Missing for Samsung

this information or its use. Any use of this information is at the user's risk. It is the responsibility of user to evaluate the accuracy, completeness or usefulness of any information, opinion, advice or other content. EACH USER WILL BE SOLELY RESPONSIBLE FOR ANY consequences of his or her direct or indirect use of this web site. ALL WARRANTIES OF ANY KIND ARE EXPRESSLY DISCLAIMED. This site will NOT BE LIABLE FOR ANY DIRECT, INDIRECT or any other kind of loss.

CVE, CWE, and OVAL are registered trademarks of [The MITRE Corporation](#) and the authoritative source of CVE content is [MITRE's CVE web site](#). This site includes MITRE data granted under the following [license](#).

**CVE.report and Source URL Uptime Status [status.cve.report](#)**