



CVE-2023-20766

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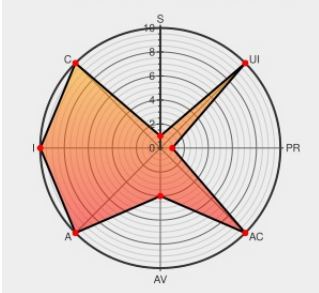
Source: Mitre

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 gps, there is a possible out of bounds write due to a missing bounds check. This could lead to local escalation of privilege with System execution privileges needed. User interaction is not needed for exploitation. Patch ID: ALPS07573237; Issue ID: ALPS07573202.

CVE-2023-20766 has been assigned by [security@mediatek.com](#) to track the vulnerability - currently rated as **MEDIUM** severity.

Affected Vendor/Software: [MediaTek, Inc.](#) - MT6580, MT6735, MT6739, MT6753, MT6757, MT6761, MT6762, MT6763, MT6765, MT6768, MT6769, MT6771, MT6779, MT6781, MT6785, MT6789, MT6833, MT6853, MT6853T, MT6855, MT6873, MT6875, MT6877, MT6879, MT6886, MT6891, MT6893, MT6895, MT6983, MT6985, MT8167, MT8168, MT8173, MT8175, MT8185, MT8321, MT8362A, MT8365, MT8385, MT8666, MT8667, MT8675, MT8765, MT8766, MT8768, MT8781, MT8786, MT8788, MT8789, MT8791, MT8791T, MT8797 version = **Android 11.0, 12.0, 13.0**

CVSS3 Score: **6.7 - MEDIUM**

Attack Vector	Attack Complexity	Privileges Required	User Interaction
LOCAL	LOW	HIGH	NONE
Scope	Confidentiality Impact	Integrity Impact	Availability Impact
UNCHANGED	HIGH	HIGH	HIGH

CVE References

Description	Tags	Link
July 2023	corp.mediatek.com text/html	MISC corp.mediatek.com/product-security-bulletin/July-2023

By selecting these links, you may be leaving CVEreport webspace. We have provided these links to other websites because they may have information that would be of interest to you. No inferences should be drawn on account of other sites being referenced, or not, from this page. There may be other websites that are more appropriate for your purpose. CVEreport does not necessarily endorse the views expressed, or concur with the facts presented on these sites. Further, CVEreport does not endorse any commercial products that may be mentioned on these sites. Please address comments about any linked pages to [comment@cve.report](#).

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	Mt6580	-	All	All	All
Hardware  	Mediatek	Mt6735	-	All	All	All
Hardware  	Mediatek	Mt6739	-	All	All	All
Hardware  	Mediatek	Mt6753	-	All	All	All
Hardware  	Mediatek	Mt6757	-	All	All	All
Hardware  	Mediatek	Mt6761	-	All	All	All
Hardware  	Mediatek	Mt6762	-	All	All	All
Hardware  	Mediatek	Mt6763	-	All	All	All
Hardware  	Mediatek	Mt6765	-	All	All	All
Hardware  	Mediatek	Mt6768	-	All	All	All
Hardware  	Mediatek	Mt6769	-	All	All	All
Hardware  	Mediatek	Mt6771	-	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	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	Mt6886	-	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
Hardware 	Mediatek	Mt8167	-	All	All	All
Hardware 	Mediatek	Mt8168	-	All	All	All
Hardware 	Mediatek	Mt8173	-	All	All	All
Hardware 	Mediatek	Mt8175	-	All	All	All
Hardware 	Mediatek	Mt8185	-	All	All	All
Hardware 	Mediatek	Mt8321	-	All	All	All
Hardware 	Mediatek	Mt8362a	-	All	All	All
Hardware 	Mediatek	Mt8365	-	All	All	All
Hardware 	Mediatek	Mt8385	-	All	All	All
Hardware 	Mediatek	Mt8666	-	All	All	All
Hardware 	Mediatek	Mt8667	-	All	All	All
Hardware 	Mediatek	Mt8675	-	All	All	All
Hardware 	Mediatek	Mt8765	-	All	All	All
Hardware 	Mediatek	Mt8766	-	All	All	All
Hardware 	Mediatek	Mt8768	-	All	All	All
Hardware 	Mediatek	Mt8781	-	All	All	All
Hardware 	Mediatek	Mt8786	-	All	All	All
Hardware 	Mediatek	Mt8788	-	All	All	All
Hardware 	Mediatek	Mt8789	-	All	All	All
Hardware 	Mediatek	Mt8791	-	All	All	All
Hardware 	Mediatek	Mt8791t	-	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:mt6580:-:~::~~::~~::~~::~~::~~::~~::
cpe:2.3:h:mediatek:mt6735:-:~::~~::~~::~~::~~::~~::~~::
cpe:2.3:h:mediatek:mt6739:-:~::~~::~~::~~::~~::~~::~~::
cpe:2.3:h:mediatek:mt6753:-:~::~~::~~::~~::~~::~~::~~::
cpe:2.3:h:mediatek:mt6757:-:~::~~::~~::~~::~~::~~::~~::
cpe:2.3:h:mediatek:mt6761:-:~::~~::~~::~~::~~::~~::~~::
cpe:2.3:h:mediatek:mt6762:-:~::~~::~~::~~::~~::~~::~~::
cpe:2.3:h:mediatek:mt6763:-:~::~~::~~::~~::~~::~~::~~::
cpe:2.3:h:mediatek:mt6765:-:~::~~::~~::~~::~~::~~::~~::
cpe:2.3:h:mediatek:mt6768:-:~::~~::~~::~~::~~::~~::~~::
cpe:2.3:h:mediatek:mt6769:-:~::~~::~~::~~::~~::~~::~~::
cpe:2.3:h:mediatek:mt6771:-:~::~~::~~::~~::~~::~~::~~::
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:-:~::~~::~~::~~::~~::~~::~~::
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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:mt6886:-:~::~~::~~::~~::~~::~~::~~::
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:-:~::~~::~~::~~::~~::~~::~~::
cpe:2.3:h:mediatek:mt8167:-:~::~~::~~::~~::~~::~~::~~::
cpe:2.3:h:mediatek:mt8168:-:~::~~::~~::~~::~~::~~::~~::
cpe:2.3:h:mediatek:mt8173:-:~::~~::~~::~~::~~::~~::~~::
cpe:2.3:h:mediatek:mt8175:-:~::~~::~~::~~::~~::~~::~~::
cpe:2.3:h:mediatek:mt8185:-:~::~~::~~::~~::~~::~~::~~::
cpe:2.3:h:mediatek:mt8321:-:~::~~::~~::~~::~~::~~::~~::
cpe:2.3:h:mediatek:mt8362a:-:~::~~::~~::~~::~~::~~::~~::
cpe:2.3:h:mediatek:mt8365:-:~::~~::~~::~~::~~::~~::~~::
cpe:2.3:h:mediatek:mt8385:-:~::~~::~~::~~::~~::~~::~~::
cpe:2.3:h:mediatek:mt8666:-:~::~~::~~::~~::~~::~~::~~::
cpe:2.3:h:mediatek:mt8667:-:~::~~::~~::~~::~~::~~::~~::
cpe:2.3:h:mediatek:mt8675:-:~::~~::~~::~~::~~::~~::~~::
cpe:2.3:h:mediatek:mt8765:-:~::~~::~~::~~::~~::~~::~~::
cpe:2.3:h:mediatek:mt8766:-:~::~~::~~::~~::~~::~~::~~::
cpe:2.3:h:mediatek:mt8768:-:~::~~::~~::~~::~~::~~::~~::
cpe:2.3:h:mediatek:mt8781:-:~::~~::~~::~~::~~::~~::~~::
cpe:2.3:h:mediatek:mt8786:-:~::~~::~~::~~::~~::~~::~~::
cpe:2.3:h:mediatek:mt8788:-:~::~~::~~::~~::~~::~~::~~::
cpe:2.3:h:mediatek:mt8789:-:~::~~::~~::~~::~~::~~::~~::
cpe:2.3:h:mediatek:mt8791:-:~::~~::~~::~~::~~::~~::~~::
cpe:2.3:h:mediatek:mt8791t:-:~::~~::~~::~~::~~::~~::~~::
cpe:2.3:h:mediatek:mt8797:-:~::~~::~~::~~::~~::~~::~~::

No vendor comments have been submitted for this CVE

Social Mentions

Source	Title	Posted (UTC)
 @CVEreport	CVE-2023-20766 : In gps, there is a possible out of bounds write due to a missing bounds check. This could lead to twitter.com/ihweb/status/1	2023-07-04 02:12:58

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