



CVE-2023-20708

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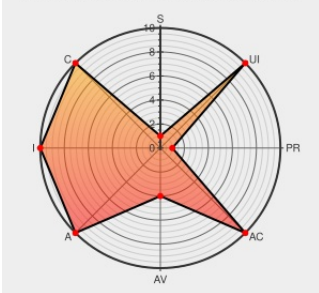
Source: Mitre

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 keyinstall, there is a possible out of bounds read 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: ALPS07581655; Issue ID: ALPS07581655.

CVE-2023-20708 has been assigned by [security@mediatek.com](#) to track the vulnerability - currently rated as **MEDIUM** severity.

Affected Vendor/Software: [MediaTek, Inc.](#) - MT6580, MT6731, MT6735, MT6737, MT6739, MT6753, MT6757, MT6757C, MT6757CD, MT6757CH, MT6761, MT6762, MT6763, MT6765, MT6768, MT6769, MT6771, MT6779, MT6781, MT6785, MT6789, MT6833, MT6853, MT6853T, MT6855, MT6873, MT6875, MT6877, MT6879, MT6883, MT6885, MT6889, MT6891, MT6893, MT6895, MT6983, MT8185, MT8321, MT8385, MT8666, MT8667, 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
May 2023	corp.mediatek.com text/html	MISC corp.mediatek.com/product-security-bulletin/May-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	Mt6731	-	All	All	All
Hardware  	Mediatek	Mt6735	-	All	All	All
Hardware  	Mediatek	Mt6737	-	All	All	All
Hardware  	Mediatek	Mt6739	-	All	All	All
Hardware  	Mediatek	Mt6753	-	All	All	All
Hardware  	Mediatek	Mt6757	-	All	All	All
Hardware  	Mediatek	Mt6757c	-	All	All	All
Hardware  	Mediatek	Mt6757cd	-	All	All	All
Hardware  	Mediatek	Mt6757ch	-	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


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cpe.2.3.11.media:tek.m10300.-. . . . .

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cpe:2.3:h:mediatek:mt6731:-:*:*:*:*:*:*:

cpe:2.3:h:mediatek:mt6735:-:*:*:*:*:*:*

cpe:2.3:h:mediatek:mt6737:-:*:*:*:*:*:*:

cpe:2.3:h:mediatek:mt6739:-:*:*:*:*:*:

cpe:2.3:h:mediatek:mt6753:-:*:*:*:*:*:*:

cpe:2.3:h:mediatek:mt6757:-:*:*:*:*:*:*:

cpe:2.3:h:mediatek:mt6757c:-:*:*:*:*:*:*:

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cpe:2.3:h:mediatek:mt6757cd:-:*:*:*:*:*:
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cpe:2.3:h:mediatek:mt6757ch:-:*:*:*:*:*:*:

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:-:*:*:*:*:*:*:

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: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:mt8185:-:~::~~::~~::~~::~~::~~::~::
cpe:2.3:h:mediatek:mt8321:-:~::~~::~~::~~::~~::~~::~::
cpe:2.3:h:mediatek:mt8385:-:~::~~::~~::~~::~~::~~::~::
cpe:2.3:h:mediatek:mt8666:-:~::~~::~~::~~::~~::~~::~::
cpe:2.3:h:mediatek:mt8667:-:~::~~::~~::~~::~~::~~::~::
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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-2023-20708 : In keyinstall, there is a possible out of bounds read due to a missing bounds check. This could le... twitter.com/i/web/status/1...	2023-05-15 22:12:29

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