

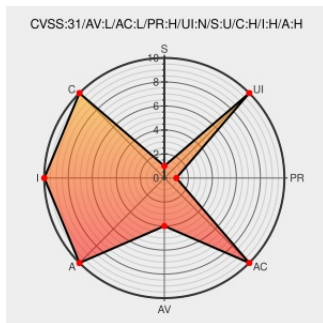


CVE-2023-20637

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CVE-2023-20637

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

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

In ril, 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: ALPS07628588; Issue ID: ALPS07628588.

CVE-2023-20637 has been assigned by [security@mediatek.com](#) to track the vulnerability - currently rated as **MEDIUM** severity.

Affected Vendor/Software: [MediaTek, Inc.](#) - **MT6879, MT6895, MT6983, MT8321, MT8765, MT8766, MT8768, MT8781, MT8786, MT8788, MT8789, MT8791T, MT8797** version **Android 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
March 2023	corp.mediatek.com text/html	MISC corp.mediatek.com/product-security-bulletin/March-2023

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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	Mt6879	-	All	All	All
Hardware  	Mediatek	Mt6895	-	All	All	All
Hardware  	Mediatek	Mt6983	-	All	All	All
Hardware  	Mediatek	Mt8321	-	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	Mt8791t	-	All	All	All
Hardware  	Mediatek	Mt8797	-	All	All	All

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cpe:2.3:o:google:android:12.0:*****:.*
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cpe:2.3:o:google:android:13.0:*****:
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cpe:2.3:h:mediatek:mt6879:-:*****:

cpe:2.3:h:mediatek:mt6895:-:*:*:*:*:*:

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cpe:2.3:h:mediatek:mt6983:-:*:*:*:*:*:
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cpe:2.3:h:mediatek:mt8321:-:*:*:*:*:*:

cpe:2.3:h:mediatek:mt8765:-:*:*:*:*:*:

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cpe:2.3:h:mediatek:mt8766:-:*:*:*:*:*:
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cpe:2.3:h:mediatek:mt8768:-:*****:
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cpe:2.3:h:mediatek:mt8781:-:*:*:*:*:*:
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cpe:2.3:h:mediatek:mt8786:-:*:*:*:*:*:
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cpe:2.3:h:mediatek:mt8788:-:*:*:*:*:*:

cpe:2.3:h:mediatek:mt8789:-:*:*:*:*:*:
cpe:2.3:h:mediatek:mt8791t:-:*:*:*:*:*:
cpe:2.3:h:mediatek:mt8797:-:*:*:*:*:*:

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-2023-20637 : In ril, there is a possible out of bounds write due to a missing bounds check. This could lead to... twitter.com/i/web/status/1...	2023-03-07 21:09:25
 /r/netcve	CVE-2023-20637	2023-03-07 21:38:43
 /r/AJsBotPlayground	[MEDIUM] CVE Report on March 13, 2023 06:09[2/22272]	2023-03-13 06:09:28

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