



CVE-2023-20733

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CVE-2023-20733

[Source: Mitre](#)

[Source: NIST](#)

[CVE.ORG](#)

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

In vcu, there is a possible use after free due to improper locking. This could lead to local escalation of privilege with System execution privileges needed. User interaction is not needed for exploitation. Patch ID: ALPS07645149; Issue ID: ALPS07645149.

CVE-2023-20733 has been assigned by [security@mediatek.com](#) to track the vulnerability - currently rated as **MEDIUM** severity.

Affected Vendor/Software: [MediaTek, Inc.](#) - **MT6768, MT6769, MT6779, MT6781, MT6785, MT6789, MT6833, MT6853, MT6853T, MT6873, MT6875, MT6877, MT6883, MT6885, MT6889, MT6891, MT6893, MT8168, MT8365, MT8395** version = **Android 12.0, 13.0 / Yocto 4.0 / lot-Yocto 22.2**

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
June 2023	corp.mediatek.com text/html	MISC corp.mediatek.com/product-security-bulletin/June-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
Application	Linuxfoundation	lot-yocto	22.2	All	All	All
Application	Linuxfoundation	Yocto	4.0	All	All	All
Hardware  	Mediatek	Mt6768	-	All	All	All
Hardware  	Mediatek	Mt6769	-	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	Mt6873	-	All	All	All
Hardware  	Mediatek	Mt6875	-	All	All	All
Hardware  	Mediatek	Mt6877	-	All	All	All
Hardware  	Mediatek	Mt6883	-	All	All	All
Hardware  	Mediatek	Mt6885	-	All	All	All
Hardware  	Mediatek	Mt6889	-	All	All	All
Hardware  	Mediatek	Mt6891	-	All	All	All
Hardware  	Mediatek	Mt6893	-	All	All	All
Hardware  	Mediatek	Mt8168	-	All	All	All
Hardware  	Mediatek	Mt8365	-	All	All	All
Hardware  	Mediatek	Mt8395	-	All	All	All
cpe:2.3:o:google:android:12.0:*****:						
cpe:2.3:o:google:android:13.0:*****:						
cpe:2.3:a:linuxfoundation:iot-yocto:22.2:*****:						
cpe:2.3:a:linuxfoundation:yocto:4.0:*****:						

cpe:2.3:h:mediatek:mt6768:-:~::~~::~~::~~::~~::~~::~~:::
cpe:2.3:h:mediatek:mt6769:-:~::~~::~~::~~::~~::~~::~~:::
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:mt6873:-:~::~~::~~::~~::~~::~~::~~:::
cpe:2.3:h:mediatek:mt6875:-:~::~~::~~::~~::~~::~~::~~:::
cpe:2.3:h:mediatek:mt6877:-:~::~~::~~::~~::~~::~~::~~:::
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:mt8168:-:~::~~::~~::~~::~~::~~::~~:::
cpe:2.3:h:mediatek:mt8365:-:~::~~::~~::~~::~~::~~::~~:::
cpe:2.3:h:mediatek:mt8395:-:~::~~::~~::~~::~~::~~::~~:::

No vendor comments have been submitted for this CVE

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