

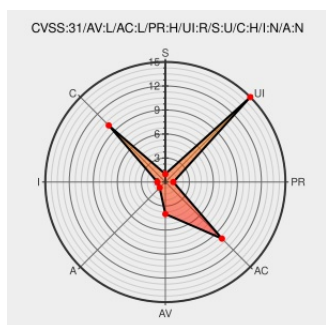


CVE-2023-20845

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CVE-2023-20845

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

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

In imsys, there is a possible out of bounds read due to a missing valid range checking. This could lead to local information disclosure with System execution privileges needed. User interaction is needed for exploitation. Patch ID: ALPS07197795; Issue ID: ALPS07340357.

CVE-2023-20845 has been assigned by [security@mediatek.com](#) to track the vulnerability - currently rated as **MEDIUM** severity.

Affected Vendor/Software: [MediaTek, Inc.](#) - **MT6895, MT6897, MT6983, MT8188, MT8195, MT8395** version = **Android 11.0, 12.0 / Linux 6.1 / IOT-v23.0 / Yocto 4.0**

CVSS3 Score: **4.2 - MEDIUM**

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

CVE References

Description	Tags	Link
September 2023	corp.mediatek.com text/html	MISC corp.mediatek.com/product-security-bulletin/September-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	11.0	All	All	All
Operating System	Google	Android	12.0	All	All	All
Operating System	Linux	Linux Kernel	6.1	-	All	All
Application	Linuxfoundation	Yocto	4.0	All	All	All
Application	Mediatek	Iot Yocto	23.0	All	All	All
Hardware 	Mediatek	Mt6895	-	All	All	All
Hardware 	Mediatek	Mt6897	-	All	All	All
Hardware 	Mediatek	Mt6983	-	All	All	All
Hardware 	Mediatek	Mt8188	-	All	All	All
Hardware 	Mediatek	Mt8195	-	All	All	All
Hardware 	Mediatek	Mt8395	-	All	All	All

cpe:2.3:o:google:android:11.0:*****:

cpe:2.3:o:google:android:12.0:*:*:*:*.*

```
cpe:2.3:o:linux:linux_kernel:6.1:-:*:*:*:*:
```

```
cpe:2.3:a:linuxfoundation:yocto:4.0:*:*:*:*:*:
```

```
cpe:2.3:a:mediatek:iot_yocto:23.0:*:*:*:*:*:
```

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

cpe:2.3:h:mediatek:mt6897:-:*****:

cpe:2.3:h:mediatek:mt6983:-:*:*:*:*:*:
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cpe:2.3:h:mediatek:mt8188:-:*:*:*:*:*:
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cpe:2.3:h:mediatek:mt8195:-:*:*:*:*:*:
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cpe:2.3:h:mediatek:mt8395:-:*:*:*:*:*:
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No vendor comments have been submitted for this CVE

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