

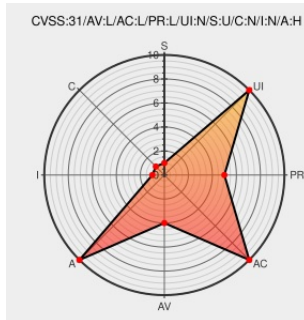


CVE-2019-10520

Published on: 12/12/2019 12:00:00 AM UTC

Last Modified on: 03/23/2021 11:27:40 PM UTC

CVE-2019-10520

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

Certain versions of [Qcs405](#) from [Qualcomm](#) contain the following vulnerability:

An unprivileged application can allocate GPU memory by calling memory allocation ioctl function and can exhaust all the memory which results in out of memory in Snapdragon Mobile, Snapdragon Voice & Music in QCS405, SD 210/SD 212/SD 205, SD 665, SD 675, SD 712 / SD 710 / SD 670, SD 730, SD 845 / SD 850, SD 855

CVE-2019-10520 has been assigned by [Q](#) product-security@qualcomm.com to track the vulnerability - currently rated as **MEDIUM** severity.

Affected Vendor/Software: [Q](#) **Qualcomm, Inc. - Snapdragon Mobile, Snapdragon Voice & Music** version **QCS405, SD 210/SD 212/SD 205, SD 665, SD 675, SD 712 / SD 710 / SD 670, SD 730, SD 845 / SD 850, SD 855**

CVSS3 Score: **5.5 - MEDIUM**

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

CVSS2 Score: **4.9 - MEDIUM**

Access Vector	Access Complexity	Authentication
LOCAL	LOW	NONE
Confidentiality Impact	Integrity Impact	Availability Impact
NONE	NONE	COMPLETE

CVE References

Description	Tags	Link
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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
Hardware 	Qualcomm	Qcs405	-	All	All	All
Hardware 	Qualcomm	Qcs405	-	All	All	All
Operating System	Qualcomm	Qcs405 Firmware	-	All	All	All
Operating System	Qualcomm	Qcs405 Firmware	-	All	All	All
Hardware 	Qualcomm	Sd 205	-	All	All	All
Hardware 	Qualcomm	Sd 205	-	All	All	All
Operating System	Qualcomm	Sd 205 Firmware	-	All	All	All
Operating System	Qualcomm	Sd 205 Firmware	-	All	All	All
Hardware 	Qualcomm	Sd 210	-	All	All	All
Hardware 	Qualcomm	Sd 210	-	All	All	All
Operating System	Qualcomm	Sd 210 Firmware	-	All	All	All
Operating System	Qualcomm	Sd 210 Firmware	-	All	All	All
Hardware 	Qualcomm	Sd 212	-	All	All	All
Hardware 	Qualcomm	Sd 212	-	All	All	All
Operating System	Qualcomm	Sd 212 Firmware	-	All	All	All
Operating System	Qualcomm	Sd 212 Firmware	-	All	All	All
Hardware 	Qualcomm	Sd 665	-	All	All	All
Hardware 	Qualcomm	Sd 665	-	All	All	All
Operating System	Qualcomm	Sd 665 Firmware	-	All	All	All

System						
Operating System	Qualcomm	Sd 665 Firmware	-	All	All	All
Hardware  	Qualcomm	Sd 670	-	All	All	All
Hardware  	Qualcomm	Sd 670	-	All	All	All
Operating System	Qualcomm	Sd 670 Firmware	-	All	All	All
Operating System	Qualcomm	Sd 670 Firmware	-	All	All	All
Hardware  	Qualcomm	Sd 675	-	All	All	All
Hardware  	Qualcomm	Sd 675	-	All	All	All
Operating System	Qualcomm	Sd 675 Firmware	-	All	All	All
Operating System	Qualcomm	Sd 675 Firmware	-	All	All	All
Hardware  	Qualcomm	Sd 710	-	All	All	All
Hardware  	Qualcomm	Sd 710	-	All	All	All
Operating System	Qualcomm	Sd 710 Firmware	-	All	All	All
Operating System	Qualcomm	Sd 710 Firmware	-	All	All	All
Hardware  	Qualcomm	Sd 712	-	All	All	All
Hardware  	Qualcomm	Sd 712	-	All	All	All
Operating System	Qualcomm	Sd 712 Firmware	-	All	All	All
Operating System	Qualcomm	Sd 712 Firmware	-	All	All	All
Hardware  	Qualcomm	Sd 730	-	All	All	All
Hardware  	Qualcomm	Sd 730	-	All	All	All
Operating System	Qualcomm	Sd 730 Firmware	-	All	All	All
Operating System	Qualcomm	Sd 730 Firmware	-	All	All	All
Hardware  	Qualcomm	Sd 845	-	All	All	All
Hardware  	Qualcomm	Sd 845	-	All	All	All
Operating System	Qualcomm	Sd 845 Firmware	-	All	All	All
Operating System	Qualcomm	Sd 845 Firmware	-	All	All	All
Hardware  	Qualcomm	Sd 850	-	All	All	All

Hardware		Sd 850	-	All	All	All
Operating System	Qualcomm	Sd 850 Firmware	-	All	All	All
Operating System	Qualcomm	Sd 850 Firmware	-	All	All	All
Hardware		Sd 855	-	All	All	All
Hardware		Sd 855	-	All	All	All
Operating System	Qualcomm	Sd 855 Firmware	-	All	All	All
Operating System	Qualcomm	Sd 855 Firmware	-	All	All	All
cpe:2.3:h:qualcomm:qcs405:-:*:*:*:*:*:						
cpe:2.3:h:qualcomm:qcs405:-:*:*:*:*:*:						
cpe:2.3:o:qualcomm:qcs405_firmware:-:*:*:*:*:*:						
cpe:2.3:o:qualcomm:qcs405_firmware:-:*:*:*:*:*:						
cpe:2.3:h:qualcomm:sd_205:-:*:*:*:*:*:						
cpe:2.3:h:qualcomm:sd_205:-:*:*:*:*:*:						
cpe:2.3:o:qualcomm:sd_205_firmware:-:*:*:*:*:*:						
cpe:2.3:o:qualcomm:sd_205_firmware:-:*:*:*:*::~:						
cpe:2.3:h:qualcomm:sd_210:-:*:*:*:*::~:						
cpe:2.3:h:qualcomm:sd_210:-:*:*:*:*::~:						
cpe:2.3:o:qualcomm:sd_210_firmware:-:*:*:*:*::~:						
cpe:2.3:o:qualcomm:sd_210_firmware:-:*:*:*:*::~:						
cpe:2.3:h:qualcomm:sd_212:-:*:*:*:*::~:						
cpe:2.3:h:qualcomm:sd_212:-:*:*:*:*::~:						
cpe:2.3:o:qualcomm:sd_212_firmware:-:*:*:*:*::~:						
cpe:2.3:o:qualcomm:sd_212_firmware:-:*:*:*:*::~:						
cpe:2.3:h:qualcomm:sd_665:-:*:*:*:*::~:						
cpe:2.3:h:qualcomm:sd_665:-:*:*:*:*::~:						
cpe:2.3:o:qualcomm:sd_665_firmware:-:*:*:*:*::~:						
cpe:2.3:o:qualcomm:sd_665_firmware:-:*:*:*:*::~:						
cpe:2.3:h:qualcomm:sd_670:-:*:*:*:*::~:						

cpe:2.3:h:qualcomm:sd_670:-:~::~~::~~::~~::~~::~~::~~:::
cpe:2.3:o:qualcomm:sd_670_firmware:-:~::~~::~~::~~::~~::~~::~~:::
cpe:2.3:o:qualcomm:sd_670_firmware:-:~::~~::~~::~~::~~::~~::~~:::
cpe:2.3:h:qualcomm:sd_675:-:~::~~::~~::~~::~~::~~::~~:::
cpe:2.3:h:qualcomm:sd_675:-:~::~~::~~::~~::~~::~~::~~:::
cpe:2.3:o:qualcomm:sd_675_firmware:-:~::~~::~~::~~::~~::~~::~~:::
cpe:2.3:o:qualcomm:sd_675_firmware:-:~::~~::~~::~~::~~::~~::~~:::
cpe:2.3:h:qualcomm:sd_710:-:~::~~::~~::~~::~~::~~::~~:::
cpe:2.3:h:qualcomm:sd_710:-:~::~~::~~::~~::~~::~~::~~:::
cpe:2.3:o:qualcomm:sd_710_firmware:-:~::~~::~~::~~::~~::~~::~~:::
cpe:2.3:o:qualcomm:sd_710_firmware:-:~::~~::~~::~~::~~::~~::~~:::
cpe:2.3:h:qualcomm:sd_712:-:~::~~::~~::~~::~~::~~::~~:::
cpe:2.3:h:qualcomm:sd_712:-:~::~~::~~::~~::~~::~~::~~:::
cpe:2.3:o:qualcomm:sd_712_firmware:-:~::~~::~~::~~::~~::~~::~~:::
cpe:2.3:o:qualcomm:sd_712_firmware:-:~::~~::~~::~~::~~::~~::~~:::
cpe:2.3:h:qualcomm:sd_730:-:~::~~::~~::~~::~~::~~::~~:::
cpe:2.3:h:qualcomm:sd_730:-:~::~~::~~::~~::~~::~~::~~:::
cpe:2.3:o:qualcomm:sd_730_firmware:-:~::~~::~~::~~::~~::~~::~~:::
cpe:2.3:o:qualcomm:sd_730_firmware:-:~::~~::~~::~~::~~::~~::~~:::
cpe:2.3:h:qualcomm:sd_845:-:~::~~::~~::~~::~~::~~::~~:::
cpe:2.3:h:qualcomm:sd_845:-:~::~~::~~::~~::~~::~~::~~:::
cpe:2.3:o:qualcomm:sd_845_firmware:-:~::~~::~~::~~::~~::~~::~~:::
cpe:2.3:o:qualcomm:sd_845_firmware:-:~::~~::~~::~~::~~::~~::~~:::
cpe:2.3:h:qualcomm:sd_850:-:~::~~::~~::~~::~~::~~::~~:::
cpe:2.3:h:qualcomm:sd_850:-:~::~~::~~::~~::~~::~~::~~:::
cpe:2.3:o:qualcomm:sd_850_firmware:-:~::~~::~~::~~::~~::~~::~~:::
cpe:2.3:o:qualcomm:sd_850_firmware:-:~::~~::~~::~~::~~::~~::~~:::
cpe:2.3:h:qualcomm:sd_855:-:~::~~::~~::~~::~~::~~::~~:::

cpe:2.3:h:qualcomm:sd_855:-:*:*:*:*:*:

cpe:2.3:o:qualcomm:sd_855_firmware:-:*:*:*:*:*:

cpe:2.3:o:qualcomm:sd_855_firmware:-:*:*:*:*:*:

No vendor comments have been submitted for this CVE

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