

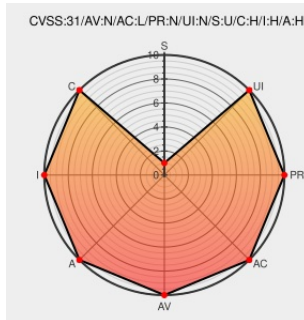


CVE-2019-2325

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CVE-2019-2325

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

Certain versions of [Mdm9150](#) from [Qualcomm](#) contain the following vulnerability:

Out of boundary access due to token received from ADSP and is used without validation as an index into the array in Snapdragon Auto, Snapdragon Compute, Snapdragon Consumer IOT, Snapdragon Industrial IOT, Snapdragon IoT, Snapdragon Mobile, Snapdragon Voice & Music, Snapdragon Wearables in MDM9150, MDM9206,

MDM9607, MDM9640, MDM9650, MSM8909W, MSM8996AU, QCS405, QCS605, Qualcomm 215, SD 210/SD 212/SD 205, SD 425, SD 427, SD 430, SD 435, SD 439 / SD 429, SD 450, SD 615/16/SD 415, SD 625, SD 632, SD 636, SD 665, SD 675, SD 712 / SD 710 / SD 670, SD 730, SD 820, SD 820A, SD 835, SD 845 / SD 850, SD 855, SDA660, SDM439, SDM630, SDM660, SDX20, SDX24

CVE-2019-2325 has been assigned by [Q](#) product-security@qualcomm.com to track the vulnerability - currently rated as **CRITICAL** severity.

Affected Vendor/Software: [Q](#) **Qualcomm, Inc. - Snapdragon Auto, Snapdragon Compute, Snapdragon Consumer IOT, Snapdragon Industrial IOT, Snapdragon IoT, Snapdragon Mobile, Snapdragon Voice & Music, Snapdragon Wearables** version **MDM9150, MDM9206, MDM9607, MDM9640, MDM9650, MSM8909W, MSM8996AU, QCS405, QCS605, Qualcomm 215, SD 210/SD 212/SD 205, SD 425, SD 427, SD 430, SD 435, SD 439 / SD 429, SD 450, SD 615/16/SD 415, SD 625, SD 632, SD 636, SD 665, SD 675, SD 712 / SD 710 / SD 670, SD 730, SD 820, SD 820A, SD 835, SD 845 / SD 850, SD 855, SDA660, SDM439, SDM630, SDM660, SDX20, SDX24**

CVSS3 Score: **9.8 - CRITICAL**

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

CVSS2 Score: **10 - HIGH**

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

CVE References

Description	Tags	Link
Android Security Bulletins Android Open Source Project	Patch Vendor Advisory source.android.com text/html	 CONFIRM source.android.com/security/bulletin/

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
Hardware 	Qualcomm	Mdm9150	-	All	All	All
Hardware 	Qualcomm	Mdm9150	-	All	All	All
Operating System	Qualcomm	Mdm9150 Firmware	-	All	All	All
Operating System	Qualcomm	Mdm9150 Firmware	-	All	All	All
Hardware 	Qualcomm	Mdm9206	-	All	All	All
Hardware 	Qualcomm	Mdm9206	-	All	All	All
Operating System	Qualcomm	Mdm9206 Firmware	-	All	All	All
Operating System	Qualcomm	Mdm9206 Firmware	-	All	All	All
Hardware 	Qualcomm	Mdm9607	-	All	All	All
Hardware 	Qualcomm	Mdm9607	-	All	All	All
Operating System	Qualcomm	Mdm9607 Firmware	-	All	All	All
Operating System	Qualcomm	Mdm9607 Firmware	-	All	All	All
Hardware 	Qualcomm	Mdm9640	-	All	All	All
Hardware 	Qualcomm	Mdm9640	-	All	All	All

Operating System	Qualcomm	Mdm9640 Firmware	-	All	All	All
Operating System	Qualcomm	Mdm9640 Firmware	-	All	All	All
Hardware  	Qualcomm	Mdm9650	-	All	All	All
Hardware  	Qualcomm	Mdm9650	-	All	All	All
Operating System	Qualcomm	Mdm9650 Firmware	-	All	All	All
Operating System	Qualcomm	Mdm9650 Firmware	-	All	All	All
Hardware  	Qualcomm	Msm8909w	-	All	All	All
Hardware  	Qualcomm	Msm8909w	-	All	All	All
Operating System	Qualcomm	Msm8909w Firmware	-	All	All	All
Operating System	Qualcomm	Msm8909w Firmware	-	All	All	All
Hardware  	Qualcomm	Msm8996au	-	All	All	All
Hardware  	Qualcomm	Msm8996au	-	All	All	All
Operating System	Qualcomm	Msm8996au Firmware	-	All	All	All
Operating System	Qualcomm	Msm8996au Firmware	-	All	All	All
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	Qcs605	-	All	All	All
Hardware  	Qualcomm	Qcs605	-	All	All	All
Operating System	Qualcomm	Qcs605 Firmware	-	All	All	All
Operating System	Qualcomm	Qcs605 Firmware	-	All	All	All
Hardware  	Qualcomm	Qualcomm 215	-	All	All	All
Hardware  	Qualcomm	Qualcomm 215	-	All	All	All
Operating System	Qualcomm	Qualcomm 215 Firmware	-	All	All	All
Operating System	Qualcomm	Qualcomm 215 Firmware	-	All	All	All

Hardware  	Qualcomm	Sda660	-	All	All	All
Hardware  	Qualcomm	Sda660	-	All	All	All
Operating System	Qualcomm	Sda660 Firmware	-	All	All	All
Operating System	Qualcomm	Sda660 Firmware	-	All	All	All
Hardware  	Qualcomm	Sdm439	-	All	All	All
Hardware  	Qualcomm	Sdm439	-	All	All	All
Operating System	Qualcomm	Sdm439 Firmware	-	All	All	All
Operating System	Qualcomm	Sdm439 Firmware	-	All	All	All
Hardware  	Qualcomm	Sdm630	-	All	All	All
Hardware  	Qualcomm	Sdm630	-	All	All	All
Operating System	Qualcomm	Sdm630 Firmware	-	All	All	All
Operating System	Qualcomm	Sdm630 Firmware	-	All	All	All
Hardware  	Qualcomm	Sdm660	-	All	All	All
Hardware  	Qualcomm	Sdm660	-	All	All	All
Operating System	Qualcomm	Sdm660 Firmware	-	All	All	All
Operating System	Qualcomm	Sdm660 Firmware	-	All	All	All
Hardware  	Qualcomm	Sdx20	-	All	All	All
Hardware  	Qualcomm	Sdx20	-	All	All	All
Operating System	Qualcomm	Sdx20 Firmware	-	All	All	All
Operating System	Qualcomm	Sdx20 Firmware	-	All	All	All
Hardware  	Qualcomm	Sdx24	-	All	All	All
Hardware  	Qualcomm	Sdx24	-	All	All	All
Operating System	Qualcomm	Sdx24 Firmware	-	All	All	All
Operating System	Qualcomm	Sdx24 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 415	-	All	All	All
Hardware  	Qualcomm	Sd 415	-	All	All	All
Operating System	Qualcomm	Sd 415 Firmware	-	All	All	All
Operating System	Qualcomm	Sd 415 Firmware	-	All	All	All
Hardware  	Qualcomm	Sd 425	-	All	All	All
Hardware  	Qualcomm	Sd 425	-	All	All	All
Operating System	Qualcomm	Sd 425 Firmware	-	All	All	All
Operating System	Qualcomm	Sd 425 Firmware	-	All	All	All
Hardware  	Qualcomm	Sd 427	-	All	All	All
Hardware  	Qualcomm	Sd 427	-	All	All	All
Operating System	Qualcomm	Sd 427 Firmware	-	All	All	All
Operating System	Qualcomm	Sd 427 Firmware	-	All	All	All
Hardware  	Qualcomm	Sd 429	-	All	All	All
Hardware  	Qualcomm	Sd 429	-	All	All	All
Operating System	Qualcomm	Sd 429 Firmware	-	All	All	All
Operating System	Qualcomm	Sd 429 Firmware	-	All	All	All
Hardware  	Qualcomm	Sd 430	-	All	All	All

Hardware  	Qualcomm	Sd 430	-	All	All	All
Operating System	Qualcomm	Sd 430 Firmware	-	All	All	All
Operating System	Qualcomm	Sd 430 Firmware	-	All	All	All
Hardware  	Qualcomm	Sd 435	-	All	All	All
Hardware  	Qualcomm	Sd 435	-	All	All	All
Operating System	Qualcomm	Sd 435 Firmware	-	All	All	All
Operating System	Qualcomm	Sd 435 Firmware	-	All	All	All
Hardware  	Qualcomm	Sd 439	-	All	All	All
Hardware  	Qualcomm	Sd 439	-	All	All	All
Operating System	Qualcomm	Sd 439 Firmware	-	All	All	All
Operating System	Qualcomm	Sd 439 Firmware	-	All	All	All
Hardware  	Qualcomm	Sd 450	-	All	All	All
Hardware  	Qualcomm	Sd 450	-	All	All	All
Operating System	Qualcomm	Sd 450 Firmware	-	All	All	All
Operating System	Qualcomm	Sd 450 Firmware	-	All	All	All
Hardware  	Qualcomm	Sd 615	-	All	All	All
Hardware  	Qualcomm	Sd 615	-	All	All	All
Operating System	Qualcomm	Sd 615 Firmware	-	All	All	All
Operating System	Qualcomm	Sd 615 Firmware	-	All	All	All
Hardware  	Qualcomm	Sd 616	-	All	All	All
Hardware  	Qualcomm	Sd 616	-	All	All	All
Operating System	Qualcomm	Sd 616 Firmware	-	All	All	All
Operating System	Qualcomm	Sd 616 Firmware	-	All	All	All
Hardware  	Qualcomm	Sd 625	-	All	All	All
Hardware  	Qualcomm	Sd 625	-	All	All	All
Operating System	Qualcomm	Sd 625 Firmware	-	All	All	All
Operating	Qualcomm	Sd 625 Firmware	-	All	All	All

System							
Hardware  	Qualcomm	Sd 632	-	All	All	All	
Hardware  	Qualcomm	Sd 632	-	All	All	All	
Operating System	Qualcomm	Sd 632 Firmware	-	All	All	All	
Operating System	Qualcomm	Sd 632 Firmware	-	All	All	All	
Hardware  	Qualcomm	Sd 636	-	All	All	All	
Hardware  	Qualcomm	Sd 636	-	All	All	All	
Operating System	Qualcomm	Sd 636 Firmware	-	All	All	All	
Operating System	Qualcomm	Sd 636 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	
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 820	-	All	All	All
Hardware  	Qualcomm	Sd 820	-	All	All	All
Hardware  	Qualcomm	Sd 820a	-	All	All	All
Hardware  	Qualcomm	Sd 820a	-	All	All	All
Operating System	Qualcomm	Sd 820a Firmware	-	All	All	All
Operating System	Qualcomm	Sd 820a Firmware	-	All	All	All
Operating System	Qualcomm	Sd 820 Firmware	-	All	All	All
Operating System	Qualcomm	Sd 820 Firmware	-	All	All	All
Hardware  	Qualcomm	Sd 835	-	All	All	All
Hardware  	Qualcomm	Sd 835	-	All	All	All
Operating System	Qualcomm	Sd 835 Firmware	-	All	All	All
Operating System	Qualcomm	Sd 835 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  	Qualcomm	Sd 850	-	All	All	All
Operating System	Qualcomm	Sd 850 Firmware	-	All	All	All
Operating System	Qualcomm	Sd 850 Firmware	-	All	All	All
Hardware  	Qualcomm	Sd 855	-	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:mdm9150:-:*~::~:						
cpe:2.3:h:qualcomm:mdm9150:-:*~::~:						
cpe:2.3:o:qualcomm:mdm9150_firmware:-:*~::~:						
cpe:2.3:o:qualcomm:mdm9150_firmware:-:*~::~:						
cpe:2.3:h:qualcomm:mdm9206:-:*~::~:						
cpe:2.3:h:qualcomm:mdm9206:-:*~::~:						
cpe:2.3:o:qualcomm:mdm9206_firmware:-:*~::~:						
cpe:2.3:o:qualcomm:mdm9206_firmware:-:*~::~:						
cpe:2.3:h:qualcomm:mdm9607:-:*~::~:						
cpe:2.3:h:qualcomm:mdm9607:-:*~::~:						
cpe:2.3:o:qualcomm:mdm9607_firmware:-:*~::~:						
cpe:2.3:o:qualcomm:mdm9607_firmware:-:*~::~:						
cpe:2.3:h:qualcomm:mdm9640:-:*~::~:						
cpe:2.3:h:qualcomm:mdm9640:-:*~::~:						
cpe:2.3:o:qualcomm:mdm9640_firmware:-:*~::~:						
cpe:2.3:o:qualcomm:mdm9640_firmware:-:*~::~:						
cpe:2.3:h:qualcomm:mdm9650:-:*~::~:						
cpe:2.3:h:qualcomm:mdm9650:-:*~::~:						
cpe:2.3:o:qualcomm:mdm9650_firmware:-:*~::~:						
cpe:2.3:o:qualcomm:mdm9650_firmware:-:*~::~:						
cpe:2.3:h:qualcomm:msm8909w:-:*~::~:						
cpe:2.3:h:qualcomm:msm8909w:-:*~::~:						
cpe:2.3:o:qualcomm:msm8909w_firmware:-:*~::~:						
cpe:2.3:o:qualcomm:msm8909w_firmware:-:*~::~:						
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cpe:2.3:n:qualcomm:msm8996au:-:*****:
cpe:2.3:h:qualcomm:msm8996au:-:*****:
cpe:2.3:o:qualcomm:msm8996au_firmware:-:*****:
cpe:2.3:o:qualcomm:msm8996au_firmware:-:*****:
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:qcs605:-:*****:
cpe:2.3:h:qualcomm:qcs605:-:*****:
cpe:2.3:o:qualcomm:qcs605_firmware:-:*****:
cpe:2.3:o:qualcomm:qcs605_firmware:-:*****:
cpe:2.3:h:qualcomm:qualcomm_215:-:*****:
cpe:2.3:h:qualcomm:qualcomm_215:-:*****:
cpe:2.3:o:qualcomm:qualcomm_215_firmware:-:*****:
cpe:2.3:o:qualcomm:qualcomm_215_firmware:-:*****:
cpe:2.3:h:qualcomm:sda660:-:*****:
cpe:2.3:h:qualcomm:sda660:-:*****:
cpe:2.3:o:qualcomm:sda660_firmware:-:*****:
cpe:2.3:o:qualcomm:sda660_firmware:-:*****:
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cpe:2.3:h:qualcomm:sdm439:-:*****:
cpe:2.3:o:qualcomm:sdm439_firmware:-:*****:
cpe:2.3:o:qualcomm:sdm439_firmware:-:*****:
cpe:2.3:h:qualcomm:sdm630:-:*****:
cpe:2.3:h:qualcomm:sdm630:-:*****:
cpe:2.3:o:qualcomm:sdm630_firmware:-:*****:
cpe:2.3:o:qualcomm:sdm630_firmware:-:*****:
cpe:2.3:h:qualcomm:sdm660:-:*****:

```
cpe:2.3:h:qualcomm:sdm660:-:*:*:*:*:*:*:
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```
cpe:2.3:o:qualcomm:sdm660_firmware:-:*:*:*:*:*:
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```
cpe:2.3:o:qualcomm:sdm660_firmware:-:*:*:*:*:*:
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cpe:2.3:h:qualcomm:sdx20:-:*:*:*:*:*:*:

cpe:2.3:h:qualcomm:sdx20:-:*:*:*:*:*:*:

```
cpe:2.3:o:qualcomm:sdx20_firmware:-:*:*:*:*:*:*:
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cpe:2.3:o:qualcomm:sdx20_firmware:-:*:*:*:*:*:
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cpe:2.3:h:qualcomm:sdx24:-:*:*:*:*:*:*:

cpe:2.3:h:qualcomm:sdx24:-:*:*:*:*:*:*:

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cpe:2.3:o:qualcomm:sdx24_firmware:-:*:*:*:*:*:
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cpe:2.3:o:qualcomm:sdx24_firmware:-:*:*:*:*:*:

cpe:2.3:h:qualcomm:sd_205:-:*:*:*:*:*:*:

cpe:2.3:h:qualcomm:sd_205:-:*:*:*:*:*:*:

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cpe:2.3:o:qualcomm:sd_205_firmware:-:*:*:*:*:*:*:
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cpe:2.3:o:qualcomm:sd_205_firmware:-:*:*:*:*:*:
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cpe:2.3:h:qualcomm:sd_210:-:*:*:*:*:*:*:
```

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cpe:2.3:h:qualcomm:sd_210:-:*:*:*:*:*:*:
```

```
cpe:2.3:o:qualcomm:sd_210_firmware:-:*:*:*:*:*:
```

```
cpe:2.3:o:qualcomm:sd_210_firmware:-:*:*:*:*:*:
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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:-:*:*:*:*:*:
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```
cpe:2.3:h:qualcomm:sd_415:-:*:*:*:*:*:*:
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cpe:2.3:h:qualcomm:sd_415:-:*:*:*:*:*:*:
```

```
cpe:2.3:o:qualcomm:sd_415_firmware:-:*:*:*:*:*:
```

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cpe:2.3:o:qualcomm:sd_415_firmware:-:*:*:*:*:*:
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cpe:2.3:h:qualcomm:sd_425:-:*:*:*:*:*:*:

cpe:2.3:h:qualcomm:sd_425:-:*:*:*:*:*:*:

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cpe:2.3:o:qualcomm:sd 425 firmware:-:~::~::~:
```

```
cpe:2.3:o:qualcomm:sd 425 firmware:-:*:*:*:*:*:
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cpe:2.3:h:qualcomm:sd_427:-:*:*:*:*:*:*:

cpe:2.3:h:qualcomm:sd_427:-:*:*:*:*:*:

```
cpe:2.3:o:qualcomm:sd_427_firmware:-:*:*:*:*:*:
```

```
cpe:2.3:o:qualcomm:sd_427_firmware:-:*:*:*:*:*:
```

cpe:2.3:h:qualcomm:sd_429:-:*:*:*:*:*:

cpe:2.3:h:qualcomm:sd_429:-:*:*:*:*:*:

```
cpe:2.3:o:qualcomm:sd 429 firmware:-:*:*:*:*:*:
```

```
cpe:2.3:o:qualcomm:sd_429_firmware:-:*:*:*:*:*:
```

```
cpe:2.3:h:qualcomm:sd 430:-:*:*:*:*:*:*:
```

```
cpe:2.3:h:qualcomm:sd_430:-:*:*:*:*:*:*:
```

```
cpe:2.3:o:qualcomm:sd_430_firmware:-:*:*:*:*:*:
```

```
cpe:2.3:o:qualcomm:sd_430_firmware:-:*:*:*:*:*:
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```
cpe:2.3:h:qualcomm:sd 435:-:*:*:*:*:*:
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```
cpe:2.3:h:qualcomm:sd 435:-:*:*:*:*:*:*:
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```
cpe:2.3:o:qualcomm:sd 435 firmware:-:*:*:*:*:*:
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```
cpe:2.3:o:qualcomm:sd_435_firmware:-:*:*:*:*:*:
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cpe:2.3:h:qualcomm:sd_439:-:*:*:*:*:*:*:

```
cpe:2.3:h:qualcomm:sd 439:-:*:*:*:*:*:*:
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```
cpe:2.3:o:qualcomm:sd 439 firmware:-:*:*:*:*:*:
```

```
cpe:2.3:o:qualcomm:sd 439 firmware:-:*:*:*:*:*:
```

cpe:2.3:h:qualcomm:sd_450:-:*:*:*:*:*:

```
cpe:2.3:h:qualcomm:sd_450:-:*:*:*:*:*:*:
```

```
cpe:2.3:o:qualcomm:sd 450 firmware:-.*:.*:.*:.*:.*
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```
cpe:2.3:o:qualcomm:sd 450 firmware:-:*:*:*:*:*:
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cpe:2.3:h:qualcomm:sd_615:-:*:*:*:*:*:*:

```
cpe:2.3:h:qualcomm:sd_615:-:*:*:*:*:*:
```

cpe:2.3:o:qualcomm:sd_615_firmware:-:~::~:
cpe:2.3:o:qualcomm:sd_615_firmware:-:~::~:
cpe:2.3:h:qualcomm:sd_616:-:~::~:
cpe:2.3:h:qualcomm:sd_616:-:~::~:
cpe:2.3:o:qualcomm:sd_616_firmware:-:~::~:
cpe:2.3:o:qualcomm:sd_616_firmware:-:~::~:
cpe:2.3:h:qualcomm:sd_625:-:~::~:
cpe:2.3:h:qualcomm:sd_625:-:~::~:
cpe:2.3:o:qualcomm:sd_625_firmware:-:~::~:
cpe:2.3:o:qualcomm:sd_625_firmware:-:~::~:
cpe:2.3:h:qualcomm:sd_632:-:~::~:
cpe:2.3:h:qualcomm:sd_632:-:~::~:
cpe:2.3:o:qualcomm:sd_632_firmware:-:~::~:
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cpe:2.3:o:qualcomm:sd_665_firmware:-:~::~:
cpe:2.3:o:qualcomm:sd_665_firmware:-:~::~:
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cpe:2.3:o:qualcomm:sd_670_firmware:-:~::~:
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cpe:2.3:o:qualcomm:sd_675_firmware:-:~::~~::~~::~~::~~::~~::
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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_820:-:~::~~::~~::~~::~~::~~::
cpe:2.3:h:qualcomm:sd_820:-:~::~~::~~::~~::~~::~~::
cpe:2.3:h:qualcomm:sd_820a:-:~::~~::~~::~~::~~::~~::
cpe:2.3:h:qualcomm:sd_820a:-:~::~~::~~::~~::~~::~~::
cpe:2.3:o:qualcomm:sd_820a_firmware:-:~::~~::~~::~~::~~::~~::
cpe:2.3:o:qualcomm:sd_820a_firmware:-:~::~~::~~::~~::~~::~~::
cpe:2.3:o:qualcomm:sd_820_firmware:-:~::~~::~~::~~::~~::~~::
cpe:2.3:o:qualcomm:sd_820_firmware:-:~::~~::~~::~~::~~::~~::
cpe:2.3:h:qualcomm:sd_835:-:~::~~::~~::~~::~~::~~::
cpe:2.3:h:qualcomm:sd_835:-:~::~~::~~::~~::~~::~~::
cpe:2.3:o:qualcomm:sd_835_firmware:-:~::~~::~~::~~::~~::~~::
cpe:2.3:o:qualcomm:sd_835_firmware:-:~::~~::~~::~~::~~::~~::
cpe:2.3:h:qualcomm:sd_845:-:~::~~::~~::~~::~~::~~::
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No vendor comments have been submitted for this CVE

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