



CVE-2019-2309

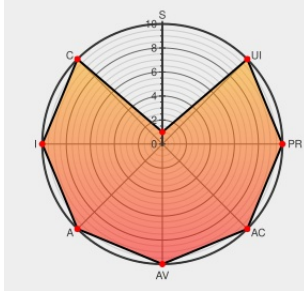
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CVE-2019-2309

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

CVSS:30/AV:N/AC:L/PR:N/UI:N/S:U/C:H/I:H/A:H



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

While storing calibrated data from firmware in cache, An integer overflow may occur since data length received may exceed real data length. in Snapdragon Auto, Snapdragon Consumer Electronics Connectivity, Snapdragon Consumer IOT, Snapdragon Industrial IOT, Snapdragon Mobile, Snapdragon Voice & Music in MDM9150,

MDM9206, MDM9607, MDM9640, MDM9650, MSM8996AU, QCA6174A, QCA6574AU, QCA9377, QCA9379, SD 210/SD 212/SD 205, SD 425, SD 625, SD 636, SD 712 / SD 710 / SD 670, SD 820A, SD 845 / SD 850, SDM660, SDX20

CVE-2019-2309 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 Consumer Electronics Connectivity, Snapdragon Consumer IOT, Snapdragon Industrial IOT, Snapdragon Mobile, Snapdragon Voice & Music** version **MDM9150, MDM9206, MDM9607, MDM9640, MDM9650, MSM8996AU, QCA6174A, QCA6574AU, QCA9377, QCA9379, SD 210/SD 212/SD 205, SD 425, SD 625, SD 636, SD 712 / SD 710 / SD 670, SD 820A, SD 845 / SD 850, SDM660, SDX20**

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: **7.5 - HIGH**

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

PARTIAL

PARTIAL

PARTIAL

CVE References

Description	Tags	Link
July 2019 Code Aurora Security Bulletin - Code Aurora	Patch Third Party Advisory www.codeaurora.org text/html	 CONFIRM www.codeaurora.org/security-bulletin/2019/07/01/july-2019-code-aurora-security-bulletin

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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	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	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	Qca6174a	-	All	All	All
Hardware  	Qualcomm	Qca6174a	-	All	All	All
Operating System	Qualcomm	Qca6174a Firmware	-	All	All	All
Operating System	Qualcomm	Qca6174a Firmware	-	All	All	All
Hardware  	Qualcomm	Qca6574au	-	All	All	All
Hardware  	Qualcomm	Qca6574au	-	All	All	All
Operating System	Qualcomm	Qca6574au Firmware	-	All	All	All
Operating System	Qualcomm	Qca6574au Firmware	-	All	All	All
Hardware  	Qualcomm	Qca9377	-	All	All	All
Hardware  	Qualcomm	Qca9377	-	All	All	All
Operating System	Qualcomm	Qca9377 Firmware	-	All	All	All
Operating System	Qualcomm	Qca9377 Firmware	-	All	All	All
Hardware  	Qualcomm	Qca9379	-	All	All	All
Hardware  	Qualcomm	Qca9379	-	All	All	All
Operating System	Qualcomm	Qca9379 Firmware	-	All	All	All
Operating System	Qualcomm	Qca9379 Firmware	-	All	All	All
Hardware  	Qualcomm	Sdm660	-	All	All	All
Hardware  	Qualcomm	Sdm660	-	All	All	All
Operating	Qualcomm	Sdm660 Firmware	-	All	All	All

System						
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	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 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 625	-	All	All	All
Hardware  	Qualcomm	Sd 625	-	All	All	All
Operating System	Qualcomm	Sd 625 Firmware	-	All	All	All
Operating System	Qualcomm	Sd 625 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 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 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 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
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

cpe:2.3:o:qualcomm:qca6174a_firmware:-:~::~::~:
cpe:2.3:h:qualcomm:qca6574au:-:~::~::~:
cpe:2.3:h:qualcomm:qca6574au:-:~::~::~:
cpe:2.3:o:qualcomm:qca6574au_firmware:-:~::~::~:
cpe:2.3:o:qualcomm:qca6574au_firmware:-:~::~::~:
cpe:2.3:h:qualcomm:qca9377:-:~::~::~:
cpe:2.3:h:qualcomm:qca9377:-:~::~::~:
cpe:2.3:o:qualcomm:qca9377_firmware:-:~::~::~:
cpe:2.3:o:qualcomm:qca9377_firmware:-:~::~::~:
cpe:2.3:h:qualcomm:qca9379:-:~::~::~:
cpe:2.3:h:qualcomm:qca9379:-:~::~::~:
cpe:2.3:o:qualcomm:qca9379_firmware:-:~::~::~:
cpe:2.3:o:qualcomm:qca9379_firmware:-:~::~::~:
cpe:2.3:h:qualcomm:sdm660:-:~::~::~:
cpe:2.3:h:qualcomm:sdm660:-:~::~::~:
cpe:2.3:o:qualcomm:sdm660_firmware:-:~::~::~:
cpe:2.3:o:qualcomm:sdm660_firmware:-:~::~::~:
cpe:2.3:h:qualcomm:sdx20:-:~::~::~:
cpe:2.3:h:qualcomm:sdx20:-:~::~::~:
cpe:2.3:o:qualcomm:sdx20_firmware:-:~::~::~:
cpe:2.3:o:qualcomm:sdx20_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_425:-:~::~~::~~::~~::~~::~~::~~:::
cpe:2.3:h:qualcomm:sd_425:-:~::~~::~~::~~::~~::~~::~~:::
cpe:2.3:o:qualcomm:sd_425_firmware:-:~::~~::~~::~~::~~::~~::~~:::
cpe:2.3:o:qualcomm:sd_425_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_636:-:~::~~::~~::~~::~~::~~::~~:::
cpe:2.3:h:qualcomm:sd_636:-:~::~~::~~::~~::~~::~~::~~:::
cpe:2.3:o:qualcomm:sd_636_firmware:-:~::~~::~~::~~::~~::~~::~~:::
cpe:2.3:o:qualcomm:sd_636_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_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_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: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:-:*:*:*:*:*:
```

No vendor comments have been submitted for this CVE

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