



CVE-2019-14079

Published on: 03/05/2020 12:00:00 AM UTC

Last Modified on: 03/23/2021 11:27:58 PM UTC

CVE-2019-14079

[Source: Mitre](#)

[Source: NIST](#)

[CVE.ORG](#)

[Print: PDF](#)



Certain versions of [Apq8009](#) from [Qualcomm](#) contain the following vulnerability:

Access to the uninitialized variable when the driver tries to unmap the dma buffer of a request which was never mapped in the first place leading to kernel failure in Snapdragon Auto, Snapdragon Compute, Snapdragon Consumer IOT, Snapdragon Industrial IOT, Snapdragon Mobile, Snapdragon Wearables in APQ8009, APQ8053, MDM9607, MDM9640, MSM8909W, MSM8953, QCA6574AU, QCS605, SDA845, SDM429, SDM429W, SDM439, SDM450, SDM632, SDM670, SDM710, SDM845, SDX24, SM8150, SXR1130

CVE-2019-14079 has been assigned by [Q](#) product-security@qualcomm.com to track the vulnerability - currently rated as **HIGH** severity.

Affected Vendor/Software: [Q](#) Qualcomm, Inc. - Snapdragon Auto, Snapdragon Compute, Snapdragon Consumer IOT, Snapdragon Industrial IOT, Snapdragon Mobile, Snapdragon Wearables version APQ8009, APQ8053, MDM9607, MDM9640, MSM8909W, MSM8953, QCA6574AU, QCS605, SDA845, SDM429, SDM429W, SDM439, SDM450, SDM632, SDM670, SDM710, SDM845, SDX24, SM8150, SXR1130

CVSS3 Score: **7.8 - HIGH**

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

CVSS2 Score: **7.2 - HIGH**

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

CVE References

Description	Tags	Link
March 2020 Security Bulletin Qualcomm	Vendor Advisory www.qualcomm.com text/html	Q CONFIRM www.qualcomm.com/company/product-security/bulletins/march-2020-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

Exploit/POC from Github

USB device fuzzing on Android Phone

Known Affected Configurations (CPE V2.3)

Type	Vendor	Product	Version	Update	Edition	Language
Hardware 	Qualcomm	Apq8009	-	All	All	All
Hardware 	Qualcomm	Apq8009	-	All	All	All
Operating System	Qualcomm	Apq8009 Firmware	-	All	All	All
Operating System	Qualcomm	Apq8009 Firmware	-	All	All	All
Hardware 	Qualcomm	Apq8053	-	All	All	All
Hardware 	Qualcomm	Apq8053	-	All	All	All
Operating System	Qualcomm	Apq8053 Firmware	-	All	All	All
Operating System	Qualcomm	Apq8053 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

System						
Operating System	Qualcomm	Mdm9640 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	Msm8953	-	All	All	All
Hardware  	Qualcomm	Msm8953	-	All	All	All
Operating System	Qualcomm	Msm8953 Firmware	-	All	All	All
Operating System	Qualcomm	Msm8953 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	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	Sda845	-	All	All	All
Hardware  	Qualcomm	Sda845	-	All	All	All
Operating System	Qualcomm	Sda845 Firmware	-	All	All	All
Operating System	Qualcomm	Sda845 Firmware	-	All	All	All
Hardware  	Qualcomm	Sdm429	-	All	All	All
Hardware  	Qualcomm	Sdm429	-	All	All	All
Hardware  	Qualcomm	Sdm429w	-	All	All	All
Hardware  	Qualcomm	Sdm429w	-	All	All	All
Operating System	Qualcomm	Sdm429w Firmware	-	All	All	All
Operating System	Qualcomm	Sdm429w Firmware	-	All	All	All

Operating System	Qualcomm	Sdm429w Firmware	-	All	All	All
Operating System	Qualcomm	Sdm429 Firmware	-	All	All	All
Operating System	Qualcomm	Sdm429 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	Sdm450	-	All	All	All
Hardware  	Qualcomm	Sdm450	-	All	All	All
Operating System	Qualcomm	Sdm450 Firmware	-	All	All	All
Operating System	Qualcomm	Sdm450 Firmware	-	All	All	All
Hardware  	Qualcomm	Sdm632	-	All	All	All
Hardware  	Qualcomm	Sdm632	-	All	All	All
Operating System	Qualcomm	Sdm632 Firmware	-	All	All	All
Operating System	Qualcomm	Sdm632 Firmware	-	All	All	All
Hardware  	Qualcomm	Sdm670	-	All	All	All
Hardware  	Qualcomm	Sdm670	-	All	All	All
Operating System	Qualcomm	Sdm670 Firmware	-	All	All	All
Operating System	Qualcomm	Sdm670 Firmware	-	All	All	All
Hardware  	Qualcomm	Sdm710	-	All	All	All
Hardware  	Qualcomm	Sdm710	-	All	All	All
Operating System	Qualcomm	Sdm710 Firmware	-	All	All	All
Operating System	Qualcomm	Sdm710 Firmware	-	All	All	All
Hardware  	Qualcomm	Sdm845	-	All	All	All
Hardware  	Qualcomm	Sdm845	-	All	All	All
Operating System	Qualcomm	Sdm845 Firmware	-	All	All	All
Operating	Qualcomm	Sdm845 Firmware	-	All	All	All

System						
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	Sm8150	-	All	All	All
Hardware 	Qualcomm	Sm8150	-	All	All	All
Operating System	Qualcomm	Sm8150 Firmware	-	All	All	All
Operating System	Qualcomm	Sm8150 Firmware	-	All	All	All
Hardware 	Qualcomm	Sxr1130	-	All	All	All
Hardware 	Qualcomm	Sxr1130	-	All	All	All
Operating System	Qualcomm	Sxr1130 Firmware	-	All	All	All
Operating System	Qualcomm	Sxr1130 Firmware	-	All	All	All
cpe:2.3:h:qualcomm:apq8009:-:~::~:						
cpe:2.3:h:qualcomm:apq8009:-:~::~:						
cpe:2.3:o:qualcomm:apq8009_firmware:-:~::~:						
cpe:2.3:o:qualcomm:apq8009_firmware:-:~::~:						
cpe:2.3:h:qualcomm:apq8053:-:~::~:						
cpe:2.3:h:qualcomm:apq8053:-:~::~:						
cpe:2.3:o:qualcomm:apq8053_firmware:-:~::~:						
cpe:2.3:o:qualcomm:apq8053_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:msm8909w:-:*:*:*:*:*:*:

cpe:2.3:h:qualcomm:msm8909w:-:*:*:*:*:*:*:

```
cpe:2.3:o:qualcomm:msm8909w_firmware:-:*:*:*:*:*:
```

```
cpe:2.3:o:qualcomm:msm8909w_firmware:-:*:*:*:*:*:
```

cpe:2.3:h:qualcomm:msm8953:-:*:*:*:*:*:

```
cpe:2.3:h:qualcomm:msm8953:-:*:*:*:*:*:*:
```

```
cpe:2.3:o:qualcomm:msm8953_firmware:-:*:*:*:*:*:
```

```
cpe:2.3:o:qualcomm:msm8953_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: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:sda845:-:*:*:*:*:*:*:

cpe:2.3:h:qualcomm:sda845:-:*:*:*:*:*:*:

cpe:2.3:o:qualcomm:sda845_firmware:-:*:*:*:*:*:

```
cpe:2.3:o:qualcomm:sda845_firmware:-:*:*:*:*:*:*:
```

```
cpe:2.3:h:qualcomm:sdm429:-:*:*:*:*:*:*:
```

cpe:2.3:h:qualcomm:sdm429:-:*:*:*:*:*:*:

cpe:2.3:h:qualcomm:sdm429w:-:*:*:*:*:*:*:

cpe:2.3:h:qualcomm:sdm429w:-:*:*:*:*:*:*:

```
cpe:2.3:o:qualcomm:sdm429w_firmware:-:*:*:*:*:*:
```

```
cpe:2.3:o:qualcomm:sdm429w_firmware:-:*:*:*:*:*:
```

```
cpe:2.3:o:qualcomm:sdm429_firmware:-:*:*:*:*:*:
```

```
cpe:2.3:o:qualcomm:sdm429_firmware:-:*:*:*:*:*:
```

```
cpe:2.3:h:qualcomm:sdm439:-:*:*:*:*:*:*:
```

```
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:sdm450:-:*:*:*:*:*:*:

```
cpe:2.3:h:qualcomm:sdm450:-:*:*:*:*:*:
```

```
cpe:2.3:o:qualcomm:sdm450_firmware:-:*:*:*:*:*:
```

```
cpe:2.3:o:qualcomm:sdm450_firmware:-:*:*:*:*:*:
```

```
cpe:2.3:h:qualcomm:sdm632:-:*:*:*:*:*:
```

```
cpe:2.3:h:qualcomm:sdm632:-:*:*:*:*:*:*:
```

```
cpe:2.3:o:qualcomm:sdm632 firmware:-.*:.*:.*:.*:.*:.*:.*:.*
```

```
cpe:2.3:o:qualcomm:sdm632_firmware:-:*:*:*:*:*:*
```

```
cpe:2.3:h:qualcomm:sdm670:-:*:*:*:*:*:*:
```

```
cpe:2.3:h:qualcomm:sdm670:-:*:*:*:*:*:
```

```
cpe:2.3:o:qualcomm:sdm670_firmware:-:*:*:*:*:*:
```

```
cpe:2.3:o:qualcomm:sdm670 firmware:-.*:.*:.*:.*:.*:.*
```

```
cpe:2.3:h:qualcomm:sdm710:-:*:*:*:*:*:*:
```

```
cpe:2.3:h:qualcomm:sdm710:-:*:*:*:*:*:
```

```
cpe:2.3:o:qualcomm:sdm710_firmware:-:*:*:*:*:*:
```

```
cpe:2.3:o:qualcomm:sdm710_firmware:-:*:*:*:*:*:
```

```
cpe:2.3:h:qualcomm:sdm845:-:*:*:*:*:*:*:
```

cpe:2.3:h:qualcomm:sdm845:-:*:*:*:*:*:*:

```
cpe:2.3:o:qualcomm:sdm845_firmware:-:*:*:*:*:*.*
```

```
cpe:2.3:o:qualcomm:sdm845_firmware:-:*:*:*:*:*:*:
```

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

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

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

```
cpe:2.3:o:qualcomm:sdx24 firmware:-:*:*:*:*:*:*:
```

