



CVE-2018-13906

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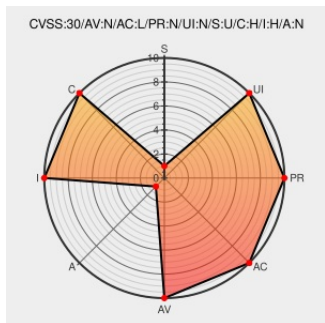
CVE-2018-13906

[Source: Mitre](#)

[Source: NIST](#)

[CVE.ORG](#)

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Certain versions of [lpq4019](#) from [Qualcomm](#) contain the following vulnerability:

The HMAC authenticating the message from QSEE is vulnerable to timing side channel analysis leading to potentially forged application message in Snapdragon Auto, Snapdragon Compute, Snapdragon Connectivity, Snapdragon Consumer Electronics Connectivity, Snapdragon Consumer IOT, Snapdragon Industrial IOT, Snapdragon

IoT, Snapdragon Mobile, Snapdragon Voice & Music, Snapdragon Wearables, Snapdragon Wired Infrastructure and Networking in IPQ4019, IPQ8074, MDM9150, MDM9206, MDM9607, MDM9635M, MDM9640, MDM9650, MDM9655, MSM8909W, MSM8996AU, QCA8081, QCS405, QCS605, Qualcomm 215, SD 210/SD 212/SD 205, SD 410/12, 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 650/52, SD 712 / SD 710 / SD 670, SD 820, SD 820A, SD 835, SD 845 / SD 850, SD 855, SD 8CX, SDA660, SDM439, SDM630, SDM660, SDX20, Snapdragon_High_Med_2016, SXR1130

CVE-2018-13906 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 Connectivity, Snapdragon Consumer Electronics Connectivity, Snapdragon Consumer IOT, Snapdragon Industrial IOT, Snapdragon IoT, Snapdragon Mobile, Snapdragon Voice & Music, Snapdragon Wearables, Snapdragon Wired Infrastructure and Networking version IPQ4019, IPQ8074, MDM9150, MDM9206, MDM9607, MDM9635M, MDM9640, MDM9650, MDM9655, MSM8909W, MSM8996AU, QCA8081, QCS405, QCS605, Qualcomm 215, SD 210/SD 212/SD 205, SD 410/12, 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 650/52, SD 712 / SD 710 / SD 670, SD 820, SD 820A, SD 835, SD 845 / SD 850, SD 855, SD 8CX, SDA660, SDM439, SDM630, SDM660, SDX20, Snapdragon_High_Med_2016, SXR1130

CVSS3 Score: **9.1 - CRITICAL**

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

UNCHANGED

HIGH

HIGH

NONE

CVSS2 Score: 6.4 - MEDIUM

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

CVE References

Description	Tags	Link
Bulletins Qualcomm	Vendor Advisory www.qualcomm.com text/html	CONFIRM www.qualcomm.com/company/product-security/bulletins

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	lpq4019	-	All	All	All
Hardware	Qualcomm	lpq4019	-	All	All	All
Operating System	Qualcomm	lpq4019 Firmware	-	All	All	All
Operating System	Qualcomm	lpq4019 Firmware	-	All	All	All
Hardware	Qualcomm	lpq8074	-	All	All	All
Hardware	Qualcomm	lpq8074	-	All	All	All
Operating System	Qualcomm	lpq8074 Firmware	-	All	All	All
Operating System	Qualcomm	lpq8074 Firmware	-	All	All	All
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	Mdm9635m	-	All	All	All
Hardware  	Qualcomm	Mdm9635m	-	All	All	All
Operating System	Qualcomm	Mdm9635m Firmware	-	All	All	All
Operating System	Qualcomm	Mdm9635m 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	Mdm9655	-	All	All	All
Hardware  	Qualcomm	Mdm9655	-	All	All	All
Operating System	Qualcomm	Mdm9655 Firmware	-	All	All	All
Operating System	Qualcomm	Mdm9655 Firmware	-	All	All	All
Hardware  	Qualcomm	Msm8909w	-	All	All	All
Hardware  	Qualcomm	Msm8909w	-	All	All	All
Operating System	Qualcomm	Msm8909w Firmware	-	All	All	All

System						
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	Qca8081	-	All	All	All
Hardware  	Qualcomm	Qca8081	-	All	All	All
Operating System	Qualcomm	Qca8081 Firmware	-	All	All	All
Operating System	Qualcomm	Qca8081 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	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

Operating System	Qualcomm	Sd 412 Firmware		All	All	All
Hardware  	Qualcomm	Sd 410	-	All	All	All
Hardware  	Qualcomm	Sd 410	-	All	All	All
Operating System	Qualcomm	Sd 410 Firmware	-	All	All	All
Operating System	Qualcomm	Sd 410 Firmware	-	All	All	All
Hardware  	Qualcomm	Sd 412	-	All	All	All
Hardware  	Qualcomm	Sd 412	-	All	All	All
Operating System	Qualcomm	Sd 412 Firmware	-	All	All	All
Operating System	Qualcomm	Sd 412 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 System	Qualcomm	Sd 625 Firmware	-	All	All	All

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 650	-	All	All	All
Hardware  	Qualcomm	Sd 650	-	All	All	All
Operating System	Qualcomm	Sd 650 Firmware	-	All	All	All
Operating System	Qualcomm	Sd 650 Firmware	-	All	All	All
Hardware  	Qualcomm	Sd 652	-	All	All	All
Hardware  	Qualcomm	Sd 652	-	All	All	All
Operating System	Qualcomm	Sd 652 Firmware	-	All	All	All
Operating System	Qualcomm	Sd 652 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

System						
Operating System	Qualcomm	Sd 712 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 	Qualcomm	Sd 855	-	All	All	All
Operating System	Qualcomm	Sd 855 Firmware	-	All	All	All
Operating System	Qualcomm	Sd 855 Firmware	-	All	All	All
Hardware 	Qualcomm	Sd 8cx	-	All	All	All

Hardware		Sd 8cx	-	All	All	All
Operating System	Qualcomm	Sd 8cx Firmware	-	All	All	All
Operating System	Qualcomm	Sd 8cx Firmware	-	All	All	All
Hardware		Snapdragon High Med 2016	-	All	All	All
Hardware		Snapdragon High Med 2016	-	All	All	All
Operating System	Qualcomm	Snapdragon High Med 2016 Firmware	-	All	All	All
Operating System	Qualcomm	Snapdragon High Med 2016 Firmware	-	All	All	All
Hardware		Sxr1130	-	All	All	All
Hardware		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:ipq4019:-:*****:						
cpe:2.3:h:qualcomm:ipq4019:-:*****:						
cpe:2.3:o:qualcomm:ipq4019_firmware:-:*****:						
cpe:2.3:o:qualcomm:ipq4019_firmware:-:*****:						
cpe:2.3:h:qualcomm:ipq8074:-:*****:						
cpe:2.3:h:qualcomm:ipq8074:-:*****:						
cpe:2.3:o:qualcomm:ipq8074_firmware:-:*****:						
cpe:2.3:o:qualcomm:ipq8074_firmware:-:*****:						
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:-:*****:						

```
cpw.2.5.11.qualcomm.msm8907 . . . . .
```

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:mdm9635m:-:*:*:*:*:*:*:

cpe:2.3:h:qualcomm:mdm9635m:-:*:*:*:*:*:

cpe:2.3:o:qualcomm:mdm9635m_firmware:-:*:*:*:*:*:

```
cpe:2.3:o:qualcomm:mdm9635m_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:mdm9655:-:*:*:*:*:*:*:

cpe:2.3:h:qualcomm:mdm9655:-:*:*:*:*:*:*:

```
cpe:2.3:o:qualcomm:mdm9655_firmware:-:*:*:*:*:*:*:
```

```
cpe:2.3:o:qualcomm:mdm9655_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: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:gca8081:-:*:*:*:*:*:*:

cpe:2.3:h:qualcomm:gca8081:-:*:*:*:*:*:*:

```
cpe:2.3:o:qualcomm:qca8081_firmware:-:*:*:*:*:*.*
```

```
cpe:2.3:o:qualcomm:gca8081_firmware:-:*:*:*:*:*:*
```

cpe:2.3:h:qualcomm:gcs405:-:*:*:*:*:*:*:

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:gcs605:-:*:*:*:*:*:*:

cpe:2.3:h:qualcomm:gcs605:-:*:*:*:*:*:*:

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

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

```
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 410:-:*:*:*:*:*:
```

```
cpe:2.3:h:qualcomm:sd_410:-:*:*:*:*:*:
```

```
cpe:2.3:o:qualcomm:sd_410_firmware:-:*:*:*:*:*:
```

```
cpe:2.3:o:qualcomm:sd_410_firmware:-:*:*:*:*:*:
```

```
cpe:2.3:h:qualcomm:sd_412:-:*:*:*:*:*:*:
```

```
cpe:2.3:h:qualcomm:sd_412:-:*:*:*:*:*:
```

```
cpe:2.3:o:qualcomm:sd_412_firmware:-:*:*:*:*:*:
```

```
cpe:2.3:o:qualcomm:sd_412_firmware:-:*:*:*:*:*:
```

cpe:2.3:h:qualcomm:sd_415:-:*:*:*:*:*:*:

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

cpe:2.3:o:qualcomm:sd_415_firmware:-:~::~~::~~::~~::~~::~~::~~:::
cpe:2.3:o:qualcomm:sd_415_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_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:-:~::~~::~~::~~::~~::~~::~~:::
cpe:2.3:h:qualcomm:sd_435:-:~::~~::~~::~~::~~::~~::~~:::
cpe:2.3:h:qualcomm:sd_435:-:~::~~::~~::~~::~~::~~::~~:::
cpe:2.3:o:qualcomm:sd_435_firmware:-:~::~~::~~::~~::~~::~~::~~:::
cpe:2.3:o:qualcomm:sd_435_firmware:-:~::~~::~~::~~::~~::~~::~~:::
cpe:2.3:h:qualcomm:sd_439:-:~::~~::~~::~~::~~::~~::~~:::
cpe:2.3:h:qualcomm:sd_439:-:~::~~::~~::~~::~~::~~::~~:::
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:-:*:*:*:*:*:*:
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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:-:*:*:*:*:*:*:*:
```

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cpe:2.3:o:qualcomm:sd_616_firmware:-:*:*:*:*:*:
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cpe:2.3:h:qualcomm:sd_625:-:*:*:*:*:*:*:
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cpe:2.3:h:qualcomm:sd 625:-:*:*:*:*:*:*:

```
cpe:2.3:o:qualcomm:sd 625 firmware:-:*:*:*:*:*:
```

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

```
cpe:2.3:o:qualcomm:sd_632_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:-:*:*:*:*:*:
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```
cpe:2.3:h:qualcomm:sd_650:-:*:*:*:*:*:*:
```

```
cpe:2.3:h:qualcomm:sd_650:-:*:*:*:*:*:*:
```

```
cpe:2.3:o:qualcomm:sd_650_firmware:-:*:*:*:*:*:
```

```
cpe:2.3:o:qualcomm:sd 650 firmware:-:*:*:*:*:*:
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cpe:2.3:h:qualcomm:sd_652:-:*:*:*:*:*:*:

cpe:2.3:h:qualcomm:sd_652:-:*:*:*:*:*:

```
cpe:2.3:o:qualcomm:sd_652_firmware:-:*:*:*:*:*:*:
```

```
cpe:2.3:o:qualcomm:sd 652 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 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:-:*:*:*:*:*:*:
```

```
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:-:*****:
cpe:2.3:h:qualcomm:sd_8cx:-:*****:
cpe:2.3:h:qualcomm:sd_8cx:-:*****:
cpe:2.3:o:qualcomm:sd_8cx_firmware:-:*****:
cpe:2.3:o:qualcomm:sd_8cx_firmware:-:*****:
cpe:2.3:h:qualcomm:snapdragon_high_med_2016:-:*****:
cpe:2.3:h:qualcomm:snapdragon_high_med_2016:-:*****:
cpe:2.3:o:qualcomm:snapdragon_high_med_2016_firmware:-:*****:
cpe:2.3:o:qualcomm:snapdragon_high_med_2016_firmware:-:*****:
cpe:2.3:h:qualcomm:sxr1130:-:*****:
cpe:2.3:h:qualcomm:sxr1130:-:*****:
cpe:2.3:o:qualcomm:sxr1130_firmware:-:*****:
cpe:2.3:o:qualcomm:sxr1130_firmware:-:*****:

No vendor comments have been submitted for this CVE

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