

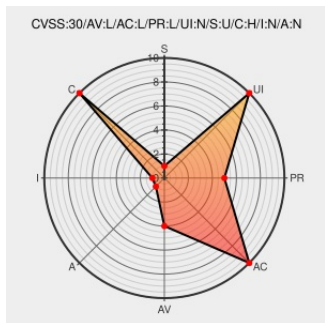


CVE-2018-11976

Published on: 05/24/2019 12:00:00 AM UTC

Last Modified on: 03/23/2021 11:24:18 PM UTC

CVE-2018-11976

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

Certain versions of [lpq8074](#) from [Qualcomm](#) contain the following vulnerability:

ECDSA signature code leaks private keys from secure world to non-secure world 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 IPQ8074, MDM9150, MDM9206, MDM9607, MDM9650, MDM9655, MSM8909W, MSM8996AU, QCA8081, 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 8CX, SDA660, SDM439, SDM630, SDM660, Snapdragon_High_Med_2016, SXR1130

CVE-2018-11976 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 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 IPQ8074, MDM9150, MDM9206, MDM9607, MDM9650, MDM9655, MSM8909W, MSM8996AU, QCA8081, 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 8CX, SDA660, SDM439, SDM630, SDM660, Snapdragon_High_Med_2016, SXR1130

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	HIGH	NONE	NONE

CVSS2 Score: **4.9 - MEDIUM**

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

CVE References

Description	Tags	Link
Bulletins Qualcomm	Vendor Advisory www.qualcomm.com text/html	CONFIRM www.qualcomm.com/company/product-security/bulletins#_CVE-2018-11976

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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	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

Hardware  	Qualcomm	Mdm9607	-	All	All	All
Operating System	Qualcomm	Mdm9607 Firmware	-	All	All	All
Operating System	Qualcomm	Mdm9607 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
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	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

System							
Hardware 	Qualcomm	Qm215	-	All	All	All	
Hardware 	Qualcomm	Qm215	-	All	All	All	
Operating System	Qualcomm	Qm215 Firmware	-	All	All	All	
Operating System	Qualcomm	Qm215 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	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
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 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
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 8cx	-	All	All	All
Hardware		Qualcomm	Sd 8cx	-	All	All	All
Operating System		Qualcomm	Sd 8cx Firmware	-	All	All	All
Operating System		Qualcomm	Sd 8cx Firmware	-	All	All	All
Hardware		Qualcomm	Snapdragon High Med 2016	-	All	All	All
Hardware		Qualcomm	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		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: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:-:*:*:*:*::~							
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:mdm9650:-:*:*:*:*:*:*:
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```
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:-:*:*:*:*:*:*:
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```
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:qca8081:-:*:*:*:*:*:*:

cpe:2.3:h:qualcomm:qca8081:-:*:*:*:*:*:*:

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

```
cpe:2.3:o:qualcomm:gca8081_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:qm215:-:*:*:*:*:*:*:

cpe:2.3:h:qualcomm:qm215:-:*:*:*:*:*:*:

```
cpe:2.3:o:qualcomm:qm215_firmware:-:*:*:*:*:*:
```

```
cpe:2.3:o:qualcomm:qm215_firmware:-:*:*:*:*:*:
```

```
cpe:2.3:h:qualcomm:sda660:-:*:*:*:*:*:
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cpe:2.3:h:qualcomm:sda660:-:*:*:*:*:*:*:

```
cpe:2.3:o:qualcomm:sda660 firmware:-:*:*:*:*:*:
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```
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: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:n.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:-:*:*:*:*:*:
```

```
cpe:2.3:o:qualcomm:sd_450_firmware:-:*:*:*:*:*:
```

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:-:~::~~::~~::~~::~~::~::
```

```
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:-:~::~~::~~::~~::~~::~~::~~:::
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:-:~::~~::~~::~~::~~::~~::~~:::
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_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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