



CVE-2019-10556

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CVE-2019-10556

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

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

Missing length check before copying the data from kernel space to userspace through the copy function can lead to buffer overflow in some cases in Snapdragon Auto, Snapdragon Compute, Snapdragon Consumer Electronics Connectivity, Snapdragon Consumer IOT, Snapdragon Industrial IOT, Snapdragon Mobile, Snapdragon Voice &

Music, Snapdragon Wearables in APQ8009, APQ8053, APQ8096AU, MSM8909W, MSM8917, MSM8953, Nicobar, QCN7605, QCS405, QCS605, QM215, Rennell, Saipan, SC8180X, SDA845, SDM429, SDM429W, SDM439, SDM450, SDM632, SDM670, SDM710, SDM845, SDX24, SDX55, SM6150, SM7150, SM8150, SM8250, SXR1130, SXR2130

CVE-2019-10556 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 Electronics Connectivity, Snapdragon Consumer IOT, Snapdragon Industrial IOT, Snapdragon Mobile, Snapdragon Voice & Music, Snapdragon Wearables version APQ8009, APQ8053, APQ8096AU, MSM8909W, MSM8917, MSM8953, Nicobar, QCN7605, QCS405, QCS605, QM215, Rennell, Saipan, SC8180X, SDA845, SDM429, SDM429W, SDM439, SDM450, SDM632, SDM670, SDM710, SDM845, SDX24, SDX55, SM6150, SM7150, SM8150, SM8250, SXR1130, SXR2130

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: **4.6 - MEDIUM**

Access Vector	Access Complexity	Authentication
LOCAL	LOW	NONE

Confidentiality Impact	Integrity Impact	Availability Impact				
PARTIAL	PARTIAL	PARTIAL				
CVE References						
Description	Tags	Link				
April 2020 Bulletin Qualcomm	Patch Vendor Advisory www.qualcomm.com text/html	Q CONFIRM www.qualcomm.com/company/product-security/bulletins/april-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						
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	Apq8096au	-	All	All	All
Hardware 	Qualcomm	Apq8096au	-	All	All	All
Operating System	Qualcomm	Apq8096au Firmware	-	All	All	All
Operating System	Qualcomm	Apq8096au 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	Msm8917	-	All	All	All
Hardware  	Qualcomm	Msm8917	-	All	All	All
Operating System	Qualcomm	Msm8917 Firmware	-	All	All	All
Operating System	Qualcomm	Msm8917 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	Nicobar	-	All	All	All
Hardware  	Qualcomm	Nicobar	-	All	All	All
Operating System	Qualcomm	Nicobar Firmware	-	All	All	All
Operating System	Qualcomm	Nicobar Firmware	-	All	All	All
Hardware  	Qualcomm	Qcn7605	-	All	All	All
Hardware  	Qualcomm	Qcn7605	-	All	All	All
Operating System	Qualcomm	Qcn7605 Firmware	-	All	All	All
Operating System	Qualcomm	Qcn7605 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	Qm215	-	All	All	All
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	Rennell	-	All	All	All
Hardware  	Qualcomm	Rennell	-	All	All	All
Operating System	Qualcomm	Rennell Firmware	-	All	All	All
Operating System	Qualcomm	Rennell Firmware	-	All	All	All
Hardware  	Qualcomm	Saipan	-	All	All	All
Hardware  	Qualcomm	Saipan	-	All	All	All
Operating System	Qualcomm	Saipan Firmware	-	All	All	All
Operating System	Qualcomm	Saipan Firmware	-	All	All	All
Hardware  	Qualcomm	Sc8180x	-	All	All	All
Hardware  	Qualcomm	Sc8180x	-	All	All	All
Operating System	Qualcomm	Sc8180x Firmware	-	All	All	All
Operating System	Qualcomm	Sc8180x 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	Sdm429 Firmware	-	All	All	All
Operating System	Qualcomm	Sdm429 Firmware	-	All	All	All

System						
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 System	Qualcomm	Sdm845 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
Operating System	Qualcomm	Sdx24 Firmware	-	All	All	All
Hardware  	Qualcomm	Sdx55	-	All	All	All
Hardware  	Qualcomm	Sdx55	-	All	All	All
Operating System	Qualcomm	Sdx55 Firmware	-	All	All	All
Operating System	Qualcomm	Sdx55 Firmware	-	All	All	All
Hardware  	Qualcomm	Sm6150	-	All	All	All
Hardware  	Qualcomm	Sm6150	-	All	All	All
Operating System	Qualcomm	Sm6150 Firmware	-	All	All	All
Operating System	Qualcomm	Sm6150 Firmware	-	All	All	All
Hardware  	Qualcomm	Sm7150	-	All	All	All
Hardware  	Qualcomm	Sm7150	-	All	All	All
Operating System	Qualcomm	Sm7150 Firmware	-	All	All	All
Operating System	Qualcomm	Sm7150 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	Sm8250	-	All	All	All
Hardware  	Qualcomm	Sm8250	-	All	All	All
Operating System	Qualcomm	Sm8250 Firmware	-	All	All	All
Operating System	Qualcomm	Sm8250 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
Hardware  	Qualcomm	Sxr2130	-	All	All	All

Hardware	Qualcomm	Sxr2130	-	All	All	All
Operating System	Qualcomm	Sxr2130 Firmware	-	All	All	All
Operating System	Qualcomm	Sxr2130 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:apq8096au:-:*~::~:						
cpe:2.3:h:qualcomm:apq8096au:-:*~::~:						
cpe:2.3:o:qualcomm:apq8096au_firmware:-:*~::~:						
cpe:2.3:o:qualcomm:apq8096au_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:msm8917:-:*~::~:						
cpe:2.3:h:qualcomm:msm8917:-:*~::~:						
cpe:2.3:o:qualcomm:msm8917_firmware:-:*~::~:						
cpe:2.3:o:qualcomm:msm8917_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:nicobar:-:*~::~:						

cpe:2.3:h:qualcomm:nicobar:-:~::~~::~~::~~::~~::~~::~~:::
cpe:2.3:o:qualcomm:nicobar_firmware:-:~::~~::~~::~~::~~::~~::~~:::
cpe:2.3:o:qualcomm:nicobar_firmware:-:~::~~::~~::~~::~~::~~::~~:::
cpe:2.3:h:qualcomm:qcn7605:-:~::~~::~~::~~::~~::~~::~~:::
cpe:2.3:h:qualcomm:qcn7605:-:~::~~::~~::~~::~~::~~::~~:::
cpe:2.3:o:qualcomm:qcn7605_firmware:-:~::~~::~~::~~::~~::~~::~~:::
cpe:2.3:o:qualcomm:qcn7605_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: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:rennell:-:~::~~::~~::~~::~~::~~::~~:::
cpe:2.3:h:qualcomm:rennell:-:~::~~::~~::~~::~~::~~::~~:::
cpe:2.3:o:qualcomm:rennell_firmware:-:~::~~::~~::~~::~~::~~::~~:::
cpe:2.3:o:qualcomm:rennell_firmware:-:~::~~::~~::~~::~~::~~::~~:::
cpe:2.3:h:qualcomm:saipan:-:~::~~::~~::~~::~~::~~::~~:::
cpe:2.3:h:qualcomm:saipan:-:~::~~::~~::~~::~~::~~::~~:::
cpe:2.3:o:qualcomm:saipan_firmware:-:~::~~::~~::~~::~~::~~::~~:::
cpe:2.3:o:qualcomm:saipan_firmware:-:~::~~::~~::~~::~~::~~::~~:::
cpe:2.3:h:qualcomm:sc8180x:-:~::~~::~~::~~::~~::~~::~~:::

cpe:2.3:h:qualcomm:sc8180x:-:*:*:*:*:*:

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cpe:2.3:o:qualcomm:sc8180x_firmware:-:*:*:*:*:*
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cpe:2.3:o:qualcomm:sc8180x firmware:-:*:*:*:*:*:*
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cpe:2.3:h:qualcomm:sda845:-:*:*:*:*:*:*:

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

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cpe:2.3:o:qualcomm:sda845_firmware:-:*:*:*:*:*.*
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cpe:2.3:o:qualcomm:sda845_firmware:-:*:*:*:*:*:
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cpe:2.3:h:qualcomm:sdm429:-:*:*:*:*:*:*:
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cpe:2.3:h:qualcomm:sdm429:-:*:*:*:*:*:*:

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

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

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cpe:2.3:o:qualcomm:sdm429w_firmware:-:*:*:*:*:*:*:
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cpe:2.3:o:qualcomm:sdm429w_firmware:-:*:*:*:*:*:*:
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cpe:2.3:o:qualcomm:sdm429_firmware:-:*:*:*:*:*:*:
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cpe:2.3:o:qualcomm:sdm429_firmware:-:*:*:*:*:*:*:
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cpe:2.3:h:qualcomm:sdm439:-:*:*:*:*:*:*:

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cpe:2.3:h:qualcomm:sdm439:-:*:*:*:*:*:*:
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cpe:2.3:o:qualcomm:sdm439_firmware:-:*:*:*:*:*:*:
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cpe:2.3:o:qualcomm:sdm439_firmware:-:*:*:*:*:*:*:
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cpe:2.3:h:qualcomm:sdm450:-:*:*:*:*:*:*:
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cpe:2.3:h:qualcomm:sdm450:-:*:*:*:*:*:*:
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cpe:2.3:o:qualcomm:sdm450_firmware:-:*:*:*:*:*:*:
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cpe:2.3:o:qualcomm:sdm450_firmware:-:*:*:*:*:*:*:
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cpe:2.3:h:qualcomm:sdm632:-:*:*:*:*:*:*:

```
cpe:2.3:h:qualcomm:sdm632:-:*:*:*:*:*:*:
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```
cpe:2.3:o:qualcomm:sdm632_firmware:-:*:*:*:*:*:*:
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```
cpe:2.3:o:qualcomm:sdm632_firmware:-:*:*:*:*:*:*:
```

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

00002 3-b-aualcomm-edm670 .*.~.~.~.~.~.~.

```

cpe.2.3.11.qualcomm.sum10/0.1. . . . .

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

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cpe:2.3:o:qualcomm:sdm670_firmware:-:*:*:*:*:*:*:
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cpe:2.3:h:qualcomm:sdm710:-:*:*:*:*:*:*:

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cpe:2.3:h:qualcomm:sdm710:-:*:*:*:*:*:*:
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```
cpe:2.3:o:qualcomm:sdm710_firmware:-:*:*:*:*:*:*
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cpe:2.3:o:qualcomm:sdm710_firmware:-:*:*:*:*:*:*:
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cpe:2.3:h:qualcomm:sdm845:-:*:*:*:*:*:*:

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cpe:2.3:h:qualcomm:sdm845:-:*:*:*:*:*:*:
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```
cpe:2.3:o:qualcomm:sdm845_firmware:-:*:*:*:*:*:*
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cpe:2.3:o:qualcomm:sdm845_firmware:-:*:*:*:*:*:*:
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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:-:*:*:*:*:*:

cpe:2.3:h:qualcomm:sdx55:-:*:*:*:*:*:*:

cpe:2.3:h:qualcomm:sdx55:-:*:*:*:*:*:*:

```
cpe:2.3:o:qualcomm:sdx55_firmware:-:*:*:*:*:*:*:
```

cpe:2.3:o:qualcomm:sdx55_firmware:-:*:*:*:*:*:*:

cpe:2.3:h:qualcomm:sm6150:-:*:*:*:*:*:

cpe:2.3:h:qualcomm:sm6150:-:*:*:*:*:*:*:

```
cpe:2.3:o:qualcomm:sm6150_firmware:-:*:*:*:*:*:*:
```

```
cpe:2.3:o:qualcomm:sm6150_firmware:-:*:*:*:*:*:*:
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cpe:2.3:h:qualcomm:sm7150:-:*:*:*:*:*:*:

cpe:2.3:h:qualcomm:sm7150:-:*:*:*:*:*:*:

```
cpe:2.3:o:qualcomm:sm7150_firmware:-:*:*:*:*:*:*:
```

```
cpe:2.3:o:qualcomm:sm7150_firmware:-:*:*:*:*:*:
```

```
cpe:2.3:h:qualcomm:sm8150:-:*:*:*:*:*:*:
```

cpe:2.3:h:qualcomm:sm8150:-:*:*:*:*:*:*:

```
cpe:2.3:o:qualcomm:sxr2130_firmware:-:*:*:*:*:*:*:
```

Next ID→