



CVE-2019-13995

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CVE-2019-13995

[Source: Mitre](#)

[Source: NIST](#)

[CVE.ORG](#)

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

u'Lack of integer overflow check for addition of fragment size and remaining size that are read from shared memory can lead to memory corruption and potential information leakage' in Snapdragon Auto, Snapdragon Compute, Snapdragon Connectivity, Snapdragon Consumer Electronics Connectivity, Snapdragon Consumer IOT,

Snapdragon Industrial IOT, Snapdragon Mobile, Snapdragon Voice & Music, Snapdragon Wearables, Snapdragon Wired Infrastructure and Networking in APQ8009, APQ8017, APQ8053, APQ8096AU, APQ8098, Bitra, IPQ6018, IPQ8074, Kamorta, MDM9150, MDM9205, MDM9206, MDM9607, MDM9640, MDM9645, MDM9650, MDM9655, MSM8905, MSM8909, MSM8917, MSM8920, MSM8937, MSM8940, MSM8953, MSM8996, MSM8996AU, MSM8998, Nicobar, QCA8081, QCM2150, QCN7605, QCS404, QCS405, QCS605, QCS610, QM215, Rennell, SA415M, SA6155P, Saipan, SC7180, SC8180X, SDA660, SDA845, SDM429, SDM429W, SDM439, SDM450, SDM630, SDM632, SDM636, SDM660, SDM670, SDM710, SDM845, SDM850, SDX20, SDX24, SDX55, SM6150, SM7150, SM8150, SM8250, SXR1130, SXR2130

CVE-2019-13995 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 Connectivity, Snapdragon Consumer Electronics Connectivity, Snapdragon Consumer IOT, Snapdragon Industrial IOT, Snapdragon Mobile, Snapdragon Voice & Music, Snapdragon Wearables, Snapdragon Wired Infrastructure and Networking version APQ8009, APQ8017, APQ8053, APQ8096AU, APQ8098, Bitra, IPQ6018, IPQ8074, Kamorta, MDM9150, MDM9205, MDM9206, MDM9607, MDM9640, MDM9645, MDM9650, MDM9655, MSM8905, MSM8909, MSM8917, MSM8920, MSM8937, MSM8940, MSM8953, MSM8996, MSM8996AU, MSM8998, Nicobar, QCA8081, QCM2150, QCN7605, QCS404, QCS405, QCS605, QCS610, QM215, Rennell, SA415M, SA6155P, Saipan, SC7180, SC8180X, SDA660, SDA845, SDM429, SDM429W, SDM439, SDM450, SDM630, SDM632, SDM636, SDM660, SDM670, SDM710, SDM845, SDM850, SDX20, 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: 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				
August 2020 Bulletin	Vendor Advisory www.qualcomm.com text/html	Q MISC www.qualcomm.com/company/product-security/bulletins/august-2020-security-bulletin				
August 2020 Security Bulletin Qualcomm	Broken Link www.qualcomm.com text/html	Q CONFIRM www.qualcomm.com/company/product-security/bulletins/august-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	Apq8017	-	All	All	All
Hardware 	Qualcomm	Apq8017	-	All	All	All
Operating System	Qualcomm	Apq8017 Firmware	-	All	All	All
Operating System	Qualcomm	Apq8017 Firmware	-	All	All	All
Hardware 	Qualcomm	Apq8053	-	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	Apq8098	-	All	All	All
Hardware 	Qualcomm	Apq8098	-	All	All	All
Operating System	Qualcomm	Apq8098 Firmware	-	All	All	All
Operating System	Qualcomm	Apq8098 Firmware	-	All	All	All
Hardware 	Qualcomm	Bitra	-	All	All	All
Hardware 	Qualcomm	Bitra	-	All	All	All
Operating System	Qualcomm	Bitra Firmware	-	All	All	All
Operating System	Qualcomm	Bitra Firmware	-	All	All	All
Hardware 	Qualcomm	Ipq6018	-	All	All	All
Hardware 	Qualcomm	Ipq6018	-	All	All	All
Operating System	Qualcomm	Ipq6018 Firmware	-	All	All	All
Operating System	Qualcomm	Ipq6018 Firmware	-	All	All	All
Hardware 	Qualcomm	Ipq8074	-	All	All	All
Hardware 	Qualcomm	Ipq8074	-	All	All	All
Operating System	Qualcomm	Ipq8074 Firmware	-	All	All	All
Operating System	Qualcomm	Ipq8074 Firmware	-	All	All	All
Hardware 	Qualcomm	Kamorta	-	All	All	All
Hardware 	Qualcomm	Kamorta	-	All	All	All
Operating System	Qualcomm	Kamorta Firmware	-	All	All	All

Operating System	Qualcomm	Kamorta 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	Mdm9205	-	All	All	All
Hardware  	Qualcomm	Mdm9205	-	All	All	All
Operating System	Qualcomm	Mdm9205 Firmware	-	All	All	All
Operating System	Qualcomm	Mdm9205 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	Mdm9645	-	All	All	All
Hardware  	Qualcomm	Mdm9645	-	All	All	All
Operating System	Qualcomm	Mdm9645 Firmware	-	All	All	All
Operating System	Qualcomm	Mdm9645 Firmware	-	All	All	All
Hardware  	Qualcomm	Mdm9650	-	All	All	All
Hardware  	Qualcomm	Mdm9650	-	All	All	All

Hardware 	Qualcomm	Mdm9655	-	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	Msm8905	-	All	All	All
Hardware 	Qualcomm	Msm8905	-	All	All	All
Operating System	Qualcomm	Msm8905 Firmware	-	All	All	All
Operating System	Qualcomm	Msm8905 Firmware	-	All	All	All
Hardware 	Qualcomm	Msm8909	-	All	All	All
Hardware 	Qualcomm	Msm8909	-	All	All	All
Operating System	Qualcomm	Msm8909 Firmware	-	All	All	All
Operating System	Qualcomm	Msm8909 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	Msm8920	-	All	All	All
Hardware 	Qualcomm	Msm8920	-	All	All	All
Operating System	Qualcomm	Msm8920 Firmware	-	All	All	All
Operating System	Qualcomm	Msm8920 Firmware	-	All	All	All
Hardware 	Qualcomm	Msm8937	-	All	All	All
Hardware 	Qualcomm	Msm8937	-	All	All	All
Operating System	Qualcomm	Msm8937 Firmware	-	All	All	All
Operating System	Qualcomm	Msm8937 Firmware	-	All	All	All

System						
Hardware  	Qualcomm	Msm8940	-	All	All	All
Hardware  	Qualcomm	Msm8940	-	All	All	All
Operating System	Qualcomm	Msm8940 Firmware	-	All	All	All
Operating System	Qualcomm	Msm8940 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	Msm8996	-	All	All	All
Hardware  	Qualcomm	Msm8996	-	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
Operating System	Qualcomm	Msm8996 Firmware	-	All	All	All
Operating System	Qualcomm	Msm8996 Firmware	-	All	All	All
Hardware  	Qualcomm	Msm8998	-	All	All	All
Hardware  	Qualcomm	Msm8998	-	All	All	All
Operating System	Qualcomm	Msm8998 Firmware	-	All	All	All
Operating System	Qualcomm	Msm8998 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	Qca8081	-	All	All	All
Hardware  	Qualcomm	Qca8081	-	All	All	All
Operating System	Qualcomm	Qca8081 Firmware	-	All	All	All

Operating System	Qualcomm	Qualcomm Firmware		All	All	All
Operating System	Qualcomm	Qca8081 Firmware	-	All	All	All
Hardware  	Qualcomm	Qcm2150	-	All	All	All
Hardware  	Qualcomm	Qcm2150	-	All	All	All
Operating System	Qualcomm	Qcm2150 Firmware	-	All	All	All
Operating System	Qualcomm	Qcm2150 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	Qcs404	-	All	All	All
Hardware  	Qualcomm	Qcs404	-	All	All	All
Operating System	Qualcomm	Qcs404 Firmware	-	All	All	All
Operating System	Qualcomm	Qcs404 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	Qcs610	-	All	All	All
Hardware  	Qualcomm	Qcs610	-	All	All	All
Operating System	Qualcomm	Qcs610 Firmware	-	All	All	All
Operating System	Qualcomm	Qcs610 Firmware	-	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	Sa415m	-	All	All	All	
Hardware  	Qualcomm	Sa415m	-	All	All	All	
Operating System	Qualcomm	Sa415m Firmware	-	All	All	All	
Operating System	Qualcomm	Sa415m Firmware	-	All	All	All	
Hardware  	Qualcomm	Sa6155p	-	All	All	All	
Hardware  	Qualcomm	Sa6155p	-	All	All	All	
Operating System	Qualcomm	Sa6155p Firmware	-	All	All	All	
Operating System	Qualcomm	Sa6155p 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	Sc7180	-	All	All	All	
Hardware  	Qualcomm	Sc7180	-	All	All	All	
Operating System	Qualcomm	Sc7180 Firmware	-	All	All	All	
Operating System	Qualcomm	Sc7180 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	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	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
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	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	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	Sdm636	-	All	All	All
Hardware 	Qualcomm	Sdm636	-	All	All	All
Operating System	Qualcomm	Sdm636 Firmware	-	All	All	All
Operating System	Qualcomm	Sdm636 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	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	Sdm850	-	All	All	All
Hardware  	Qualcomm	Sdm850	-	All	All	All
Operating System	Qualcomm	Sdm850 Firmware	-	All	All	All
Operating System	Qualcomm	Sdm850 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	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	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	Qualcomm	Sm8150 Firmware	-	All	All	All

System						
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:apq8017:-:~::~:						
cpe:2.3:h:qualcomm:apq8017:-:~::~:						
cpe:2.3:o:qualcomm:apq8017_firmware:-:~::~:						
cpe:2.3:o:qualcomm:apq8017_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:apq8098:-:*:*:*:*:*:*:

```
cpe:2.3:h:qualcomm:apq8098:-:*:*:*:*:*:*:
```

```
cpe:2.3:o:qualcomm:apq8098_firmware:-:*:*:*:*:*:
```

```
cpe:2.3:o:qualcomm:apq8098_firmware:-:*:*:*:*:*:
```

cpe:2.3:h:qualcomm:bitra:-:*:*:*:*:*:*:

cpe:2.3:h:qualcomm:bitra:-:*:*:*:*:*:*:

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

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

cpe:2.3:h:qualcomm:ipq6018:-:*:*:*:*:*:*:

cpe:2.3:h:qualcomm:ipq6018:-:*:*:*:*:*:*:

```
cpe:2.3:o:qualcomm:ipq6018_firmware:-:*:*:*:*:*:
```

```
cpe:2.3:o:qualcomm:ipq6018_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:kamorta:-:*:*:*:*:*:*:
```

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

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

```
cpe:2.3:o:qualcomm:kamorta_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:mdm9205:-:*:*:*:*:*:

```
cpe:2.3:h:qualcomm:mdm9205:-:*:*:*:*:*:
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cpe:2.3:o:qualcomm:mdm9205_firmware:-:*****:
cpe:2.3:o:qualcomm:mdm9205_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: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:mdm9645:-:*****:
cpe:2.3:h:qualcomm:mdm9645:-:*****:
cpe:2.3:o:qualcomm:mdm9645_firmware:-:*****:
cpe:2.3:o:qualcomm:mdm9645_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:msm8905:-:*****:
cpe:2.3:h:qualcomm:msm8905:-:*****:
cpe:2.3:h:qualcomm:msm8905:-:*****:

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cpe:2.3:0:qualcomm:msm8905_firmware:-:::~::~
```

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cpe:2.3:o:qualcomm:msm8905_firmware:-:*:*:*:*:*:*:
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cpe:2.3:h:qualcomm:msm8909:-:*:*:*:*:*:*:

cpe:2.3:h:qualcomm:msm8909:-:*:*:*:*:*:*:

```
cpe:2.3:o:qualcomm:msm8909_firmware:-:*:*:*:*:*:
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```
cpe:2.3:o:qualcomm:msm8909_firmware:-:*:*:*:*:*.*
```

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cpe:2.3:h:qualcomm:msm8917:-:*:*:*:*:*:
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cpe:2.3:h:qualcomm:msm8917:-:*:*:*:*:*:*:

```
cpe:2.3:o:qualcomm:msm8917_firmware:-:*:*:*:*:*:
```

```
cpe:2.3:o:qualcomm:msm8917_firmware:-:*:*:*:*:*:
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```
cpe:2.3:h:qualcomm:msm8920:-:*:*:*:*:*:
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cpe:2.3:h:qualcomm:msm8920:-:*:*:*:*:*:
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```
cpe:2.3:o:qualcomm:msm8920_firmware:-:*:*:*:*:*.*
```

```
cpe:2.3:o:qualcomm:msm8920_firmware:-:*:*:*:*:*:*:
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```
cpe:2.3:h:qualcomm:msm8937:-:*:*:*:*:*:
```

```
cpe:2.3:h:qualcomm:msm8937:-:*:*:*:*:*:
```

```
cpe:2.3:o:qualcomm:msm8937_firmware:-:*:*:*:*:*.*
```

```
cpe:2.3:o:qualcomm:msm8937_firmware:-:*:*:*:*:*:
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cpe:2.3:h:qualcomm:msm8940:-:*:*:*:*:*:*:

cpe:2.3:h:qualcomm:msm8940:-:*:*:*:*:*:

```
cpe:2.3:o:qualcomm:msm8940_firmware:-.*:.*:.*:.*:.*:.*
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```
cpe:2.3:o:qualcomm:msm8940_firmware:-:*:*:*:*:*:
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```
cpe:2.3:h:qualcomm:msm8953:-:*:*:*:*:*:*:
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cpe:2.3:h:qualcomm:msm8953:-:*:*:*:*:*:*:

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

```
cpe:2.3:o:qualcomm:msm8953_firmware:-:*:*:*:*:*:
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```
cpe:2.3:h:qualcomm:msm8996:-:*:*:*:*:*:*:
```

```
cpe:2.3:h:qualcomm:msm8996:-:*:*:*:*:*:*:
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```
cpe:2.3:h:qualcomm:msm8996au:-:*:*:*:*:*:*:
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cpe:2.3:h:qualcomm:msm8996au:-:*:*:*:*:*:*:

```
cpe:2.3:o:qualcomm:msm8996au_firmware:-:*:*:*:*:*:
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```
cpe:2.3:o:qualcomm:msm8996au_firmware:-:*:*:*:*:*:
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cpe:2.3:o:qualcomm:msm8996 firmware:-:*:*:*:*:*:
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```
cpe:2.3:o:qualcomm:msm8996_firmware:-:*:*:*:*:*:*
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cpe:2.3:h:qualcomm:msm8998:-:*:*:*:*:*:*:
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cpe:2.3:h:qualcomm:msm8998:-:*:*:*:*:*:*:

```
cpe:2.3:o:qualcomm:msm8998_firmware:-:*:*:*:*:*:*
```

```
cpe:2.3:o:qualcomm:msm8998 firmware:-:*:*:*:*:*:
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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:-:*:*:*:*:*:*:
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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:-:*:*:*:*:*:
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cpe:2.3:h:qualcomm:qcm2150:-:*:*:*:*:*:

cpe:2.3:h:qualcomm:qcm2150:-:*:*:*:*:*:*:

```
cpe:2.3:o:qualcomm:qcm2150_firmware:-:*:*:*:*:*:
```

```
cpe:2.3:o:qualcomm:gcm2150 firmware:-:*:*:*:*:*:
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cpe:2.3:h:qualcomm:gcn7605:-:*:*:*:*:*:*:

cpe:2.3:h:qualcomm:gcn7605:-:*:*:*:*:*:*:

```
cpe:2.3:o:qualcomm:qcn7605 firmware:-:*:*:*:*:*:
```

```
cpe:2.3:o:qualcomm:qcn7605 firmware:-:*:*:*:*:*:
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cpe:2.3:h:qualcomm:gcs404:-:*:*:*:*:*:*:

cpe:2.3:h:qualcomm:gcs404:-:*:*:*:*:*:*:

```
cpe:2.3:o:qualcomm:qcs404_firmware:-:*:*:*:*:*:*
```

```
cpe:2.3:o:qualcomm:qcs404_firmware:-:*:*:*:*:*:
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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:-:*:*:*:*:*:*:
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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:-:*:*:*:*:*:
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cpe:2.3:h:qualcomm:qcs610:-:*:*:*:*:*:*:

cpe:2.3:h:qualcomm:qcs610:-:*:*:*:*:*:*:

```
cpe:2.3:o:qualcomm:qcs610_firmware:-:*:*:*:*:*:*:
```

```
cpe:2.3:o:qualcomm:qcs610_firmware:-:*:*:*:*:*:*:
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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:-:*:*:*:*:*:*
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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:-:*:*:*:*:*:
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cpe:2.3:h:qualcomm:sa415m:-:*:*:*:*:*:*:

cpe:2.3:h:qualcomm:sa415m:-:*:*:*:*:*:*:

```
cpe:2.3:o:qualcomm:sa415m_firmware:-:*:*:*:*:*:
```

```
cpe:2.3:o:qualcomm:sa415m firmware:-:*:*:*:*:*:
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cpe:2.3:h:qualcomm:sa6155p:-:~::~::~:

cpe:2.3:h:qualcomm:sa6155p:-:*:*:*:*:*:

```
cpe:2.3:o:qualcomm:sa6155p_firmware:-:*:*:*:*:*:
```

```
cpe:2.3:o:qualcomm:sa6155p_firmware:-:*:*:*:*:*:
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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:-:*:*:*:*:*:
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cpe:2.3:h:qualcomm:sc7180:-:*:*:*:*:*:*:

cpe:2.3:h:qualcomm:sc7180:-:*:*:*:*:*:*:

```
cpe:2.3:o:qualcomm:sc7180_firmware:-:*:*:*:*:*:
```

```
cpe:2.3:o:qualcomm:sc7180_firmware:-:*:*:*:*:*:
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cpe:2.3:h:qualcomm:sc8180x:-:*:*:*:*:*:

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

```
cpe:2.3:o:qualcomm:sc8180x_firmware:-:*:*:*:*:*:
```

```
cpe:2.3:o:qualcomm:sc8180x_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:-:*:*:*:*:*:
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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:-:*:*:*:*:*:
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cpe:2.3:h:qualcomm:sdm429:-:*:*:*:*:*:*:

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cpe:2.3:h:qualcomm:sdm429:-:*:*:*:*:*:*:
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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:-:*:*:*:*:*:*:
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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: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: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:sdm636:-:*:*:*:*:*:*:
```

cpe:2.3:h:qualcomm:sdm636:-:*:*:*:*:*:*:

```
cpe:2.3:o:qualcomm:sdm636_firmware:-:*:*:*:*:*:
```

```
cpe:2.3:o:qualcomm:sdm636_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: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:-:*:*:*:*:*:*:
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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:sdm850:-:*~::~:
cpe:2.3:h:qualcomm:sdm850:-:*~::~:
cpe:2.3:o:qualcomm:sdm850_firmware:-:*~::~:
cpe:2.3:o:qualcomm:sdm850_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: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:-:*~::~:
cpe:2.3:h:qualcomm:sm7150:-:*~::~:

