



# CVE-2019-10553

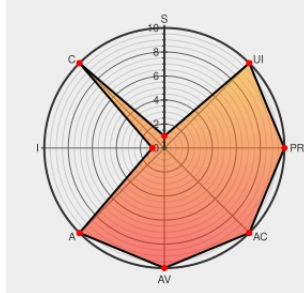
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## CVE-2019-10553

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

CVSS:31/AV:N/AC:L/PR:N/UI:N/S:U/C:H/I:N/A:H



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

Multiple Read overflows due to improper length checks while decoding authentication in Cs domain/RAU Reject and TC cmd in Snapdragon Auto, Snapdragon Compute, Snapdragon Consumer IOT, Snapdragon Industrial IOT, Snapdragon IoT, Snapdragon Mobile, Snapdragon Voice & Music, Snapdragon Wearables in APQ8009, APQ8017,

APQ8053, APQ8096, APQ8096AU, APQ8098, MDM9150, MDM9205, MDM9206, MDM9607, MDM9615, MDM9625, MDM9635M, MDM9640, MDM9645, MDM9650, MDM9655, MSM8905, MSM8909, MSM8909W, MSM8917, MSM8920, MSM8937, MSM8940, MSM8953, MSM8996AU, MSM8998, Nicobar, QCM2150, QCS605, QM215, Rennell, SC8180X, SDA660, SDA845, SDM429, SDM429W, SDM439, SDM450, SDM630, SDM632, SDM636, SDM660, SDM670, SDM710, SDM845, SDM850, SDX20, SDX24, SDX55, SM6150, SM7150, SM8150, SXR1130

CVE-2019-10553 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 Consumer IOT, Snapdragon Industrial IOT, Snapdragon IoT, Snapdragon Mobile, Snapdragon Voice & Music, Snapdragon Wearables version APQ8009, APQ8017, APQ8053, APQ8096, APQ8096AU, APQ8098, MDM9150, MDM9205, MDM9206, MDM9607, MDM9615, MDM9625, MDM9635M, MDM9640, MDM9645, MDM9650, MDM9655, MSM8905, MSM8909, MSM8909W, MSM8917, MSM8920, MSM8937, MSM8940, MSM8953, MSM8996AU, MSM8998, Nicobar, QCM2150, QCS605, QM215, Rennell, SC8180X, SDA660, SDA845, SDM429, SDM429W, SDM439, SDM450, SDM630, SDM632, SDM636, SDM660, SDM670, SDM710, SDM845, SDM850, SDX20, SDX24, SDX55, SM6150, SM7150, SM8150, SXR1130

CVSS3 Score: **9.1 - CRITICAL**

| Attack Vector    | Attack Complexity      | Privileges Required | User Interaction    |
|------------------|------------------------|---------------------|---------------------|
| <b>NETWORK</b>   | <b>LOW</b>             | <b>NONE</b>         | <b>NONE</b>         |
| Scope            | Confidentiality Impact | Integrity Impact    | Availability Impact |
| <b>UNCHANGED</b> | <b>HIGH</b>            | <b>NONE</b>         | <b>HIGH</b>         |

CVSS2 Score: **9.4 - HIGH**

Access  
Vector

Access  
Complexity

Authentication

**NETWORK**

**LOW**

**NONE**

Confidentiality  
Impact

Integrity  
Impact

Availability  
Impact

**COMPLETE**

**NONE**

**COMPLETE**

## CVE References

Description

Tags

Link

March 2020 Security Bulletin |  
Qualcomm

[Vendor Advisory](#)  
[www.qualcomm.com](#)  
[text/html](#)

[Q CONFIRM www.qualcomm.com/company/product-security/bulletins/march-2020-bulletin](#)

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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  | <a href="#">Qualcomm</a> | <a href="#">Apq8009</a>          | -       | All    | All     | All      |
| Hardware  | <a href="#">Qualcomm</a> | <a href="#">Apq8009</a>          | -       | All    | All     | All      |
| Operating System                                                                             | <a href="#">Qualcomm</a> | <a href="#">Apq8009 Firmware</a> | -       | All    | All     | All      |
| Operating System                                                                             | <a href="#">Qualcomm</a> | <a href="#">Apq8009 Firmware</a> | -       | All    | All     | All      |
| Hardware  | <a href="#">Qualcomm</a> | <a href="#">Apq8017</a>          | -       | All    | All     | All      |
| Hardware  | <a href="#">Qualcomm</a> | <a href="#">Apq8017</a>          | -       | All    | All     | All      |
| Operating System                                                                             | <a href="#">Qualcomm</a> | <a href="#">Apq8017 Firmware</a> | -       | All    | All     | All      |
| Operating System                                                                             | <a href="#">Qualcomm</a> | <a href="#">Apq8017 Firmware</a> | -       | All    | All     | All      |
| Hardware  | <a href="#">Qualcomm</a> | <a href="#">Apq8053</a>          | -       | All    | All     | All      |
| Hardware  | <a href="#">Qualcomm</a> | <a href="#">Apq8053</a>          | -       | All    | All     | All      |
| Operating System                                                                             | <a href="#">Qualcomm</a> | <a href="#">Apq8053 Firmware</a> | -       | All    | All     | All      |
| Operating System                                                                             | <a href="#">Qualcomm</a> | <a href="#">Apq8053 Firmware</a> | -       | All    | All     | All      |
| Hardware  | <a href="#">Qualcomm</a> | <a href="#">Apq8096</a>          | -       | All    | All     | All      |

|                                                                                              |          |                    |   |     |     |     |
|----------------------------------------------------------------------------------------------|----------|--------------------|---|-----|-----|-----|
|                                                                                              |          |                    |   |     |     |     |
| Hardware    | Qualcomm | Apq8096            | - | 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 |
| Operating System                                                                             | Qualcomm | Apq8096 Firmware   | - | All | All | All |
| Operating System                                                                             | Qualcomm | Apq8096 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 | 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 | Mdm9615           | - | All | All | All |
| Hardware       | Qualcomm | Mdm9615           | - | All | All | All |
| Operating System                                                                                                                                                                 | Qualcomm | Mdm9615 Firmware  | - | All | All | All |
| Operating System                                                                                                                                                                 | Qualcomm | Mdm9615 Firmware  | - | All | All | All |
| Hardware       | Qualcomm | Mdm9625           | - | All | All | All |
| Hardware       | Qualcomm | Mdm9625           | - | All | All | All |
| Operating System                                                                                                                                                                 | Qualcomm | Mdm9625 Firmware  | - | All | All | All |
| Operating System                                                                                                                                                                 | Qualcomm | Mdm9625 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 | 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 |
| 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 |
| 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 |
| 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 |

|                                                                                                                                                                                  |                          |                                    |   |     |     |     |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------|------------------------------------|---|-----|-----|-----|
| Hardware       | <a href="#">Qualcomm</a> | <a href="#">Msm8940</a>            | - | All | All | All |
| Hardware       | <a href="#">Qualcomm</a> | <a href="#">Msm8940</a>            | - | All | All | All |
| Operating System                                                                                                                                                                 | <a href="#">Qualcomm</a> | <a href="#">Msm8940 Firmware</a>   | - | All | All | All |
| Operating System                                                                                                                                                                 | <a href="#">Qualcomm</a> | <a href="#">Msm8940 Firmware</a>   | - | All | All | All |
| Hardware       | <a href="#">Qualcomm</a> | <a href="#">Msm8953</a>            | - | All | All | All |
| Hardware       | <a href="#">Qualcomm</a> | <a href="#">Msm8953</a>            | - | All | All | All |
| Operating System                                                                                                                                                                 | <a href="#">Qualcomm</a> | <a href="#">Msm8953 Firmware</a>   | - | All | All | All |
| Operating System                                                                                                                                                                 | <a href="#">Qualcomm</a> | <a href="#">Msm8953 Firmware</a>   | - | All | All | All |
| Hardware       | <a href="#">Qualcomm</a> | <a href="#">Msm8996au</a>          | - | All | All | All |
| Hardware       | <a href="#">Qualcomm</a> | <a href="#">Msm8996au</a>          | - | All | All | All |
| Operating System                                                                                                                                                                 | <a href="#">Qualcomm</a> | <a href="#">Msm8996au Firmware</a> | - | All | All | All |
| Operating System                                                                                                                                                                 | <a href="#">Qualcomm</a> | <a href="#">Msm8996au Firmware</a> | - | All | All | All |
| Hardware   | <a href="#">Qualcomm</a> | <a href="#">Msm8998</a>            | - | All | All | All |
| Hardware   | <a href="#">Qualcomm</a> | <a href="#">Msm8998</a>            | - | All | All | All |
| Operating System                                                                                                                                                                 | <a href="#">Qualcomm</a> | <a href="#">Msm8998 Firmware</a>   | - | All | All | All |
| Operating System                                                                                                                                                                 | <a href="#">Qualcomm</a> | <a href="#">Msm8998 Firmware</a>   | - | All | All | All |
| Hardware   | <a href="#">Qualcomm</a> | <a href="#">Nicobar</a>            | - | All | All | All |
| Hardware   | <a href="#">Qualcomm</a> | <a href="#">Nicobar</a>            | - | All | All | All |
| Operating System                                                                                                                                                                 | <a href="#">Qualcomm</a> | <a href="#">Nicobar Firmware</a>   | - | All | All | All |
| Operating System                                                                                                                                                                 | <a href="#">Qualcomm</a> | <a href="#">Nicobar Firmware</a>   | - | All | All | All |
| Hardware   | <a href="#">Qualcomm</a> | <a href="#">Qcm2150</a>            | - | All | All | All |
| Hardware   | <a href="#">Qualcomm</a> | <a href="#">Qcm2150</a>            | - | All | All | All |
| Operating System                                                                                                                                                                 | <a href="#">Qualcomm</a> | <a href="#">Qcm2150 Firmware</a>   | - | All | All | All |
| Operating System                                                                                                                                                                 | <a href="#">Qualcomm</a> | <a href="#">Qcm2150 Firmware</a>   | - | All | All | All |
| Hardware   | <a href="#">Qualcomm</a> | <a href="#">Qcs605</a>             | - | All | All | All |
| Hardware   | <a href="#">Qualcomm</a> | <a href="#">Qcs605</a>             | - | All | All | All |
| Operating                                                                                                                                                                        | <a href="#">Qualcomm</a> | <a href="#">Qcs605 Firmware</a>    | - | All | All | All |

|                                                                                                                                                                                  |          |                  |   |     |     |     |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|------------------|---|-----|-----|-----|
| System                                                                                                                                                                           |          |                  |   |     |     |     |
| Operating System                                                                                                                                                                 | Qualcomm | Qcs605 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 | 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 |

|                                                                                                                                                                                  |          |                 |   |     |     |     |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|-----------------|---|-----|-----|-----|
| 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 System                                                                                                                                                                 | Qualcomm | Sm8150 Firmware  | - | All | All | All |
| Operating System                                                                                                                                                                 | Qualcomm | Sm8150 Firmware  | - | All | All | All |
| Hardware   | Qualcomm | Sxr1130          | - | All | All | All |
| Hardware   | Qualcomm | Sxr1130          | - | All | All | All |
| Operating System                                                                                                                                                                 | Qualcomm | Sxr1130 Firmware | - | All | All | All |
| Operating System                                                                                                                                                                 | Qualcomm | Sxr1130 Firmware | - | All | All | All |
| cpe:2.3:h:qualcomm:apq8009:-:~::~~::~~:::                                                                                                                                        |          |                  |   |     |     |     |
| cpe:2.3:h:qualcomm:apq8009:-:~::~~::~~:::                                                                                                                                        |          |                  |   |     |     |     |
| cpe:2.3:o:qualcomm:apq8009_firmware:-:~::~~::~~:::                                                                                                                               |          |                  |   |     |     |     |
| cpe:2.3:o:qualcomm:apq8009_firmware:-:~::~~::~~:::                                                                                                                               |          |                  |   |     |     |     |
| cpe:2.3:h:qualcomm: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:-:~::~~::~~:::                                                                                                                                        |          |                  |   |     |     |     |

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cpe:2.3:h:qualcomm:apq8053:-:*:*:*:*:*:*:
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cpe:2.3:o:qualcomm:apq8053_firmware:-:*:*:*:*:*:
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cpe:2.3:o:qualcomm:apq8053_firmware:-:*:*:*:*:*:
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cpe:2.3:h:qualcomm:apq8096:-:*:*:*:*:*:*:
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cpe:2.3:h:qualcomm:apq8096:-:\*:\*:\*:\*:\*:\*:

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cpe:2.3:h:qualcomm:apq8096au:-:*:*:*:*:*:*:
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cpe:2.3:h:qualcomm:apq8096au:-:*:*:*:*:*:*:
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cpe:2.3:o:qualcomm:apq8096au_firmware:-:*:*:*:*:*:*:
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cpe:2.3:o:qualcomm:apq8096au_firmware:-:*:*:*:*:*:*:
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cpe:2.3:o:qualcomm:apq8096_firmware:-:*:*:*:*:*:
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cpe:2.3:o:qualcomm:apq8096_firmware:-:*:*:*:*:*:
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cpe:2.3:h:qualcomm:apq8098:-:\*:\*:\*:\*:\*:\*:

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

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

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cpe:2.3:h:qualcomm:mdm9205:-:*:*:*:*:*:*:
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cpe:2.3:o:qualcomm:mdm9205_firmware:-:*:*:*:*:*:*:
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cpe:2.3:o:qualcomm:mdm9205_firmware:-:*:*:*:*:*:*:
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cpe:2.3:h:qualcomm:mdm9206:-:\*:\*:\*:\*:\*:\*:

cpe:2.3:h:qualcomm:mdm9206:-:\*:\*:\*:\*:\*:\*:

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cpe:2.3:o:qualcomm:mdm9206_firmware:-:*:*:*:*:*:
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cpe:2.3:o:qualcomm:mdm9206\_firmware:-:\*:\*:\*:\*:\*:

cpe:2.3:h:qualcomm:mdm9607:-:\*:\*:\*:\*:\*:\*:

cpe:2.3:h:qualcomm:mdm9607:-:\*:\*:\*:\*:\*:

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cpe:2.3:o:qualcomm:mdm9607_firmware:-:*:*:*:*:*:*:
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cpe:2.3:o:qualcomm:mdm9607_firmware:-:*:*:*:*:*.*
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cpe:2.3:h:qualcomm:mdm9615:-:\*:\*:\*:\*:\*:

cpe:2.3:h:qualcomm:mdm9615:-:\*:\*:\*:\*:\*:

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cpe:2.3:o:qualcomm:mdm9615_firmware:-:*:*:*:*:*
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cpe:2.3:o:qualcomm:mdm9615_firmware:-:*:*:*:*:*
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cpe:2.3:h:qualcomm:mdm9625:-:\*:\*:\*:\*:\*:

cpe:2.3:h:qualcomm:mdm9625:-:\*:\*:\*:\*:\*:

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cpe:2.3:o:qualcomm:mdm9625_firmware:-:*:*:*:*:*
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cpe:2.3:o:qualcomm:mdm9625_firmware:-:*:*:*:*:*.*
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cpe:2.3:h:qualcomm:mdm9635m:-:*:*:*:*:*:
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cpe:2.3:h:qualcomm:mdm9635m:-:\*:\*:\*:\*:\*:\*:

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cpe:2.3:o:qualcomm:mdm9635m firmware:-:*:*:*:*:*:
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cpe:2.3:o:qualcomm:mdm9635m_firmware:-:*:*:*:*:*
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cpe:2.3:h:qualcomm:mdm9640:-:\*:\*:\*:\*:\*:

cpe:2.3:h:qualcomm:mdm9640:-:\*:\*:\*:\*:\*:

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cpe:2.3:o:qualcomm:mdm9640_firmware:-:*:*:*:*:*
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cpe:2.3:o:qualcomm:mdm9640_firmware:-:*:*:*:*:*
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cpe:2.3:h:qualcomm:mdm9645:-:\*:\*:\*:\*:\*:

cpe:2.3:h:qualcomm:mdm9645:-:\*:\*:\*:\*:\*:

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cpe:2.3:o:qualcomm:mdm9645_firmware:-:*:*:*:*:*.*
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cpe:2.3:o:qualcomm:mdm9645_firmware:-:*:*:*:*:*:*:
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cpe:2.3:h:qualcomm:mdm9650:-:\*:\*:\*:\*:\*:\*:

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cpe:2.3:h:qualcomm:mdm9650:-:*:*:*:*:*:
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cpe:2.3:o:qualcomm:mdm9650_firmware:-:*:*:*:*:*.*
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cpe:2.3:o:qualcomm:mdm9650_firmware:-:*:*:*:*:*:*
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cpe:2.3:h:qualcomm:mdm9655:-:\*:\*:\*:\*:\*:

0 0 1            1            1        0 0 1 1 1 1 1 1 1 1

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cpe:2.3:h:qualcomm:mdm9655:-:::~::~:
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cpe:2.3:o:qualcomm:mdm9655_firmware:-:*:*:*:*:*:
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cpe:2.3:o:qualcomm:mdm9655_firmware:-:*:*:*:*:*:
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cpe:2.3:h:qualcomm:msm8905:-:*:*:*:*:*:
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cpe:2.3:h:qualcomm:msm8905:-:*:*:*:*:*:
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cpe:2.3:o:qualcomm:msm8905_firmware:-:*:*:*:*:*:
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cpe:2.3:o:qualcomm:msm8905_firmware:-:*:*:*:*:*:
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cpe:2.3:h:qualcomm:msm8909:-:*:*:*:*:*:*:
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cpe:2.3:h:qualcomm:msm8909:-:\*:\*:\*:\*:\*:

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

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

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cpe:2.3:o:qualcomm:msm8909w_firmware:-:*:*:*:*:*:
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cpe:2.3:o:qualcomm:msm8909w_firmware:-:*:*:*:*:*:
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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:-:*:*:*:*:*:
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cpe:2.3:o:qualcomm:msm8917_firmware:-:*:*:*:*:*:
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cpe:2.3:o:qualcomm:msm8917_firmware:-:*:*:*:*:*:*
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cpe:2.3:h:qualcomm:msm8920:-:\*:\*:\*:\*:\*:

cpe:2.3:h:qualcomm:msm8920:-:\*:\*:\*:\*:\*:\*:

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

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

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cpe:2.3:o:qualcomm:msm8937_firmware:-:*:*:*:*:*
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cpe:2.3:o:qualcomm:msm8937_firmware:-:*:*:*:*:*
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cpe:2.3:h:qualcomm:msm8940:-:*:*:*:*:*:
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cpe:2.3:h:qualcomm:msm8940:-:*:*:*:*:*:
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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:-:*:*:*:*:*:
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cpe:2.3:o:qualcomm:msm8953_firmware:-:*:*:*:*:*.*
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cpe:2.3:o:qualcomm:msm8953_firmware:-:*:*:*:*:*:
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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:h:qualcomm:msm8998:-:\*:\*:\*:\*:\*:\*:

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cpe:2.3:h:qualcomm:msm8998:-:*:*:*:*:*:*:
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cpe:2.3:o:qualcomm:msm8998_firmware:-:*:*:*:*:*.*
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cpe:2.3:o:qualcomm:msm8998_firmware:-:*:*:*:*:*.*
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cpe:2.3:h:qualcomm:nicobar:-:\*:\*:\*:\*:\*:\*:

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cpe:2.3:h:qualcomm:nicobar:-:*:*:*:*:*:*:
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cpe:2.3:o:qualcomm:nicobar_firmware:-:*:*:*:*:*:
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cpe:2.3:o:qualcomm:nicobar_firmware:-:*:*:*:*:*:
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cpe:2.3:h:qualcomm:qcm2150:-:\*:\*:\*:\*:\*:

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

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cpe:2.3:o:qualcomm:qcm2150_firmware:-:*:*:*:*:*:
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cpe:2.3:o:qualcomm:qcm2150_firmware:-:*:*:*:*:*:
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cpe:2.3:h:qualcomm:gcs605:-:*:*:*:*:*:*:
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cpe:2.3:h:qualcomm:qcs605:-:*:*:*:*:*:*:
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cpe:2.3:o:qualcomm:qcs605_firmware:-:*:*:*:*:*:
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cpe:2.3:o:qualcomm:qcs605_firmware:-:*:*:*:*:*:
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cpe:2.3:h:qualcomm:qm215:-:\*:\*:\*:\*:\*:

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

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cpe:2.3:o:qualcomm:qm215_firmware:-:*:*:*:*:*:
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cpe:2.3:o:qualcomm:qm215_firmware:-:*:*:*:*:*:
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cpe:2.3:h:qualcomm:rennell:-:\*:\*:\*:\*:\*:\*:

cpe:2.3:h:qualcomm:rennell:-:\*:\*:\*:\*:\*:\*:

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cpe:2.3:o:qualcomm:rennell_firmware:-:*:*:*:*:*:*:
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cpe:2.3:o:qualcomm:rennell_firmware:-:*:*:*:*:*:*:
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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:sda660:-:*:*:*:*:*:*:
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cpe:2.3:h:qualcomm:sda660:-:\*:\*:\*:\*:\*:\*:

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cpe:2.3:o:qualcomm:sda660_firmware:-:*:*:*:*:*:*:
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cpe:2.3:o:qualcomm:sda660\_firmware:-:\*:\*:\*:\*:\*:

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:-:\*:\*:\*:\*:\*:\*:

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: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:sdm850:-:*:*:*:*:*:*:
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cpe:2.3:h:qualcomm:sdm850:-:*:*:*:*:*:*:
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cpe:2.3:o:qualcomm:sdm850_firmware:-:*:*:*:*:*:
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cpe:2.3:o:qualcomm:sdm850_firmware:-:*:*:*:*:*:
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cpe:2.3:h:qualcomm:sdx20:-:\*:\*:\*:\*:\*:\*:

cpe:2.3:h:qualcomm:sdx20:-:\*:\*:\*:\*:\*:\*:

cpe:2.3:o:qualcomm:sdx20\_firmware:-:\*:\*:\*:\*:\*:

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cpe:2.3:o:qualcomm:sdx20_firmware:-:*:*:*:*:*:
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cpe:2.3:h:qualcomm:sdx24:-:\*:\*:\*:\*:\*:\*:

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

cpe:2.3:o:qualcomm:sdx24\_firmware:-:\*:\*:\*:\*:\*:

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cpe:2.3:o:qualcomm:sdx24_firmware:-:*:*:*:*:*:
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cpe:2.3:h:qualcomm:sdx55:-:\*:\*:\*:\*:\*:\*:

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

cpe:2.3:o:qualcomm:sdx55\_firmware:-:\*:\*:\*:\*:\*:

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cpe:2.3:o:qualcomm:sdx55_firmware:-:*:*:*:*:*:
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cpe:2.3:h:qualcomm:sm6150:-:\*:\*:\*:\*:\*:\*:

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

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

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

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cpe:2.3:o:qualcomm:sm7150_firmware:-:*:*:*:*:*:*:
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cpe:2.3:o:qualcomm:sm7150 firmware:-:*:*:*:*:*.*
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| cpe:2.3:h:qualcomm:sm8150:-:*****:           |
| cpe:2.3:h:qualcomm:sm8150:-:*****:           |
| cpe:2.3:o:qualcomm:sm8150_firmware:-:*****:  |
| cpe:2.3:o:qualcomm:sm8150_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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