



CVE-2019-10546

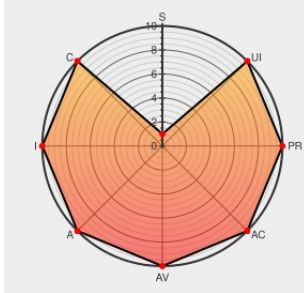
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CVE-2019-10546

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

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



Certain versions of [Apq8096](#) from [Qualcomm](#) contain the following vulnerability:

Buffer overflow can occur in WLAN firmware while parsing beacon/probe_response frames during roaming in Snapdragon Auto, Snapdragon Compute, Snapdragon Connectivity, Snapdragon Consumer Electronics Connectivity, Snapdragon Consumer IOT, Snapdragon Industrial IOT, Snapdragon Mobile, Snapdragon Wired

Infrastructure and Networking in APQ8096, APQ8096AU, IPQ6018, IPQ8074, MDM9607, MDM9640, MDM9650, MSM8996AU, Nicobar, QCA6174A, QCA6574, QCA6574AU, QCA6584, QCA6584AU, QCA8081, QCA9377, QCA9379, QCS404, QCS605, Rennell, SA6155P, SC8180X, SDA660, SDA845, SDM630, SDM636, SDM660, SDM670, SDM710, SDM845, SDM850, SM6150, SM7150, SM8150, SM8250, SXR1130, SXR2130

CVE-2019-10546 has been assigned by [Q](#) product-security@qualcomm.com to track the vulnerability - currently rated as **CRITICAL** severity.

Affected Vendor/Software: [Q](#) **Qualcomm, Inc. - Snapdragon Auto, Snapdragon Compute, Snapdragon Connectivity, Snapdragon Consumer Electronics Connectivity, Snapdragon Consumer IOT, Snapdragon Industrial IOT, Snapdragon Mobile, Snapdragon Wired Infrastructure and Networking** version **APQ8096, APQ8096AU, IPQ6018, IPQ8074, MDM9607, MDM9640, MDM9650, MSM8996AU, Nicobar, QCA6174A, QCA6574, QCA6574AU, QCA6584, QCA6584AU, QCA8081, QCA9377, QCA9379, QCS404, QCS605, Rennell, SA6155P, SC8180X, SDA660, SDA845, SDM630, SDM636, SDM660, SDM670, SDM710, SDM845, SDM850, SM6150, SM7150, SM8150, SM8250, SXR1130, SXR2130**

CVSS3 Score: **9.8 - CRITICAL**

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

CVSS2 Score: **10 - HIGH**

Access Vector	Access Complexity	Authentication
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NETWORK	LOW	NONE
Confidentiality Impact	Integrity Impact	Availability Impact
COMPLETE	COMPLETE	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 	Qualcomm	Apq8096	-	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	lpg6018	-	All	All	All
Hardware 	Qualcomm	lpg6018	-	All	All	All
Operating System	Qualcomm	lpg6018 Firmware	-	All	All	All
Operating System	Qualcomm	lpg6018 Firmware	-	All	All	All
Hardware 	Qualcomm	lpg8074	-	All	All	All
Hardware 	Qualcomm	lpg8074	-	All	All	All
Operating	Qualcomm	lpg8074 Firmware	-	All	All	All

System						
Operating System	Qualcomm	Ipq8074 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	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	Msm8996au	-	All	All	All
Hardware  	Qualcomm	Msm8996au	-	All	All	All
Operating System	Qualcomm	Msm8996au Firmware	-	All	All	All
Operating System	Qualcomm	Msm8996au Firmware	-	All	All	All
Hardware  	Qualcomm	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	Qca6174a	-	All	All	All
Hardware  	Qualcomm	Qca6174a	-	All	All	All
Operating System	Qualcomm	Qca6174a Firmware	-	All	All	All
Operating System	Qualcomm	Qca6174a Firmware	-	All	All	All
Hardware  	Qualcomm	Qca6574	-	All	All	All

Hardware  	Qualcomm	Qca6574	-	All	All	All
Hardware  	Qualcomm	Qca6574au	-	All	All	All
Hardware  	Qualcomm	Qca6574au	-	All	All	All
Operating System	Qualcomm	Qca6574au Firmware	-	All	All	All
Operating System	Qualcomm	Qca6574au Firmware	-	All	All	All
Operating System	Qualcomm	Qca6574 Firmware	-	All	All	All
Operating System	Qualcomm	Qca6574 Firmware	-	All	All	All
Hardware  	Qualcomm	Qca6584	-	All	All	All
Hardware  	Qualcomm	Qca6584	-	All	All	All
Hardware  	Qualcomm	Qca6584au	-	All	All	All
Hardware  	Qualcomm	Qca6584au	-	All	All	All
Operating System	Qualcomm	Qca6584au Firmware	-	All	All	All
Operating System	Qualcomm	Qca6584au Firmware	-	All	All	All
Operating System	Qualcomm	Qca6584 Firmware	-	All	All	All
Operating System	Qualcomm	Qca6584 Firmware	-	All	All	All
Hardware  	Qualcomm	Qca8081	-	All	All	All
Hardware  	Qualcomm	Qca8081	-	All	All	All
Operating System	Qualcomm	Qca8081 Firmware	-	All	All	All
Operating System	Qualcomm	Qca8081 Firmware	-	All	All	All
Hardware  	Qualcomm	Qca9377	-	All	All	All
Hardware  	Qualcomm	Qca9377	-	All	All	All
Operating System	Qualcomm	Qca9377 Firmware	-	All	All	All
Operating System	Qualcomm	Qca9377 Firmware	-	All	All	All
Hardware  	Qualcomm	Qca9379	-	All	All	All
Hardware  	Qualcomm	Qca9379	-	All	All	All
Operating System	Qualcomm	Qca9379 Firmware	-	All	All	All

Operating System	Qualcomm	Qca9379 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	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	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	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	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	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	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	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	Qualcomm	Sxr2130 Firmware	-	All	All	All

System						
Operating System	Qualcomm	Sxr2130 Firmware	-	All	All	All
cpe:2.3:h:qualcomm:apq8096:-:*~::~:						
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cpe:2.3:h:qualcomm:ipq6018:-:*~::~:						
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cpe:2.3:o:qualcomm:ipq8074_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:-:*~::~:						
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cpe:2.3:o:qualcomm:mdm9640_firmware:-:*~::~:						
cpe:2.3:h:qualcomm:mdm9650:-:*~::~:						
cpe:2.3:h:qualcomm:mdm9650:-:*~::~:						
cpe:2.3:o:qualcomm:mdm9650_firmware:-:*~::~:						

[illegible]

cpe:2.3:o:qualcomm:qca6584_firmware:-:*****:
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cpe:2.3:h:qualcomm:qca8081:-:*****:
cpe:2.3:o:qualcomm:qca8081_firmware:-:*****:
cpe:2.3:o:qualcomm:qca8081_firmware:-:*****:
cpe:2.3:h:qualcomm:qca9377:-:*****:
cpe:2.3:h:qualcomm:qca9377:-:*****:
cpe:2.3:o:qualcomm:qca9377_firmware:-:*****:
cpe:2.3:o:qualcomm:qca9377_firmware:-:*****:
cpe:2.3:h:qualcomm:qca9379:-:*****:
cpe:2.3:h:qualcomm:qca9379:-:*****:
cpe:2.3:o:qualcomm:qca9379_firmware:-:*****:
cpe:2.3:o:qualcomm:qca9379_firmware:-:*****:
cpe:2.3:h:qualcomm:qcs404:-:*****:
cpe:2.3:h:qualcomm:qcs404:-:*****:
cpe:2.3:o:qualcomm:qcs404_firmware:-:*****:
cpe:2.3:o:qualcomm:qcs404_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: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: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:2.3.0:qualcomm:sab155p_firmware:-:::~
```

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

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

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

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

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

```
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:sdm630:-:*:*:*:*:*:*:

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cpe:2.3:h:qualcomm:sdm630:-:*:*:*:*:*:*:
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```
cpe:2.3:o:qualcomm:sdm630 firmware:-:*:*:*:*:*:
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cpe:2.3:o:qualcomm:sdm630 firmware:-.*:.*:.*:.*:.*:.*
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cpe:2.3:h:qualcomm:sdm636:-:*:*:*:*:*:*:
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cpe:2.3:h:qualcomm:sdm636:-:*:*:*:*:*:*:
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cpe:2.3:o:qualcomm:sdm636_firmware:-:*:*:*:*:*.*
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cpe:2.3:o:qualcomm:sdm636_firmware:-:*:*:*:*:*.*
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```
cpe:2.3:h:qualcomm:sdm660:-:*:*:*:*:*:*:
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cpe:2.3:h:qualcomm:sdm660:-:*:*:*:*:*:*:

```
cpe:2.3:o:qualcomm:sdm660_firmware:-:*:*:*:*:*:*:
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```
cpe:2.3:o:qualcomm:sdm660 firmware:-:*:*:*:*:*:
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cpe:2.3:h:qualcomm:sdm670:-:*:*:*:*:*:*:
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cpe:2.3:h:qualcomm:sdm670:-:*:*:*:*:*:*:
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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:-:*:*:*:*:*:*:
```

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

```
cpe:2.3:o:qualcomm:sdm850_firmware:-:*:*:*:*:*:
```

```
cpe:2.3:o:qualcomm:sdm850_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:-:*:*:*:*:*:*:

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:sm8150_firmware:-:*:*:*:*:*:
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```
cpe:2.3:o:qualcomm:sm8150_firmware:-:*:*:*:*:*:
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```
cpe:2.3:h:qualcomm:sm8250:-:*:*:*:*:*:*:
```

```
cpe:2.3:h:qualcomm:sm8250:-:*:*:*:*:*:*:
```

```
cpe:2.3:o:qualcomm:sm8250_firmware:-:*:*:*:*:*:
```

```
cpe:2.3:o:qualcomm:sm8250_firmware:-:*:*:*:*:*:
```

cpe:2.3:h:qualcomm:sxr1130:-:*:*:*:*:*:*:

cpe:2.3:h:qualcomm:sxr1130:-:*:*:*:*:*:*:

```
cpe:2.3:o:qualcomm:sxr1130_firmware:-:*:*:*:*:*:*:
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```
cpe:2.3:o:qualcomm:sxr1130_firmware:-:*:*:*:*:*:*:
```

cpe:2.3:h:qualcomm:sxr2130:-:*:*:*:*:*:*:

```
cpe:2.3:h:qualcomm:sxr2130:-:*:*:*:*:*:*:
```

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

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

No vendor comments have been submitted for this CVE

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