



CVE-2019-14112

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CVE-2019-14112

[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 [Apq8098](#) from [Qualcomm](#) contain the following vulnerability:

Potential buffer overflow while processing CBF frames due to lack of check of buffer length before copy in Snapdragon Auto, Snapdragon Compute, Snapdragon Consumer Electronics Connectivity, Snapdragon Consumer IOT, Snapdragon Industrial IOT, Snapdragon Mobile, Snapdragon Wired Infrastructure and Networking in APQ8098,

IPQ6018, IPQ8074, MSM8998, Nicobar, QCA8081, QCN7605, QCS404, QCS605, Rennell, SC7180, SC8180X, SDA660, SDA845, SDM630, SDM636, SDM660, SDM670, SDM710, SDM845, SDM850, SM6150, SM7150, SM8150, SXR1130, SXR2130

CVE-2019-14112 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 Electronics Connectivity, Snapdragon Consumer IOT, Snapdragon Industrial IOT, Snapdragon Mobile, Snapdragon Wired Infrastructure and Networking** version **APQ8098, IPQ6018, IPQ8074, MSM8998, Nicobar, QCA8081, QCN7605, QCS404, QCS605, Rennell, SC7180, SC8180X, SDA660, SDA845, SDM630, SDM636, SDM660, SDM670, SDM710, SDM845, SDM850, SM6150, SM7150, SM8150, 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
NETWORK	LOW	NONE
Confidentiality	Integrity	Availability

Impact	Impact	Impact				
COMPLETE	COMPLETE	COMPLETE				
CVE References						
Description	Tags	Link				
April 2020 Bulletin Qualcomm	Vendor Advisory www.qualcomm.com text/html	CONFIRM www.qualcomm.com/company/product-security/bulletins/april-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	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	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	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	Qca8081 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	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	Sc7180	-	All	All	All
Hardware  	Qualcomm	Sc7180	-	All	All	All
Operating	Qualcomm	Sc7180 Firmware	-	All	All	All

System						
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	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	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: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: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:msm8998:-:*~::~:						
cpe:2.3:h:qualcomm:msm8998:-:*~::~:						
cpe:2.3:o:qualcomm:msm8998_firmware:-:*~::~:						
cpe:2.3:o:qualcomm:msm8998_firmware:-:*~::~:						
cpe:2.3:h:qualcomm:nicobar:-:*~::~:						
cpe:2.3:h:qualcomm:nicobar:-:*~::~:						
cpe:2.3:o:qualcomm:nicobar_firmware:-:*~::~:						

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

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

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

```
cpe:2.3:o:qualcomm:gca8081_firmware:-:*:*:*:*:*.*
```

```
cpe:2.3:o:qualcomm:gca8081_firmware:-:*:*:*:*:*.*
```

cpe:2.3:h:qualcomm:qcn7605:-:*:*:*:*:*:*:

cpe:2.3:h:qualcomm:qcn7605:-:*:*:*:*:*:*:

```
cpe:2.3:o:qualcomm:qcn7605_firmware:-:*:*:*:*:*:*:
```

```
cpe:2.3:o:qualcomm:qcn7605_firmware:-:*:*:*:*:*.*
```

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

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

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

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

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:-:*:*:*:*:*:*:

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

```
cpe:2.3:o:qualcomm:sda660_firmware:-:*:*:*:*:*:*:
```

```
cpe:2.3:o:qualcomm:sda660_firmware:-:*:*:*:*:*:
```

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

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

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

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

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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