



CVE-2019-14056

Published on: 09/08/2020 12:00:00 AM UTC

Last Modified on: 03/23/2021 11:27:58 PM UTC

CVE-2019-14056

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

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

u'Possible integer overflow in API due to lack of check on large oid range count in cert extension field' in Snapdragon Auto, Snapdragon Compute, Snapdragon Consumer IOT, Snapdragon Industrial IOT, Snapdragon Mobile, Snapdragon Voice & Music, Snapdragon Wired Infrastructure and Networking in Kamorta, MDM9150, MDM9205,

MDM9607, MDM9650, Nicobar, QCS404, QCS405, QCS605, QCS610, Rennell, SA6155P, SC7180, SC8180X, SDA660, SDA845, SDM630, SDM636, SDM660, SDM670, SDM710, SDM845, SDM850, SDX55, SM6150, SM7150, SM8150, SXR1130, SXR2130

CVE-2019-14056 has been assigned by [Q](#) product-security@qualcomm.com to track the vulnerability - currently rated as **HIGH** severity.

Affected Vendor/Software: [Q](#) Qualcomm, Inc. - Snapdragon Auto, Snapdragon Compute, Snapdragon Consumer IOT, Snapdragon Industrial IOT, Snapdragon Mobile, Snapdragon Voice & Music, Snapdragon Wired Infrastructure and Networking version **Kamorta**, MDM9150, MDM9205, MDM9607, MDM9650, Nicobar, QCS404, QCS405, QCS605, QCS610, Rennell, SA6155P, SC7180, SC8180X, SDA660, SDA845, SDM630, SDM636, SDM660, SDM670, SDM710, SDM845, SDM850, SDX55, SM6150, SM7150, SM8150, 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	Integrity	Availability

Impact	Impact	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				
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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	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	Mdm9607	-	All	All	All
Hardware  	Qualcomm	Mdm9607	-	All	All	All
Operating System	Qualcomm	Mdm9607 Firmware	-	All	All	All

System						
Operating System	Qualcomm	Mdm9607 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	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	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	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	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	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

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

cpe:2.3:o:qualcomm:mdm9205_firmware:-:*:*:*:*:*:*:

```
cpe:2.3:o:qualcomm:mdm9205_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: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: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:qcs404:-:*:*:*:*:*:*:

cpe:2.3:h:qualcomm:qcs404:-:*:*:*:*:*:*:

```
cpe:2.3:o:qualcomm:gcs404_firmware:-:*:*:*:*:*:*:
```

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

cpe:2.3:h:qualcomm:qcs405:-:*:*:*:*:*:*:

cpe:2.3:h:qualcomm:gcs405:-:*:*:*:*:*:*:

```
cpe:2.3:o:qualcomm:qcs405_firmware:-:*:*:*:*:*:
```

cpe:2.3:o:qualcomm:qcs405_firmware:-:*:*:*:*:*:

cpe:2.3:h:qualcomm:qcs605:-:*:*:*:*:*:*:

cpe:2.3:h:qualcomm:qcs605:-:*:*:*:*:*:*:

```
cpe:2.3:o:qualcomm:qcs605_firmware:-:*:*:*:*:*:*:
```

```
cpe:2.3:o:qualcomm:qcs605_firmware:-:*:*:*:*:*:*
```

cpe:2.3:h:qualcomm:gcs610:-:*:*:*:*:*:

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

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

```
cpe:2.3:o:qualcomm:qcs610_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:-:*:*:*:*:*.*
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cpe:2.3:o:qualcomm:sa6155p_firmware:-:*:*:*:*:*:*:
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cpe:2.3:h:qualcomm:sc7180:-:*:*:*:*:*:*:

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

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

```
cpe:2.3:h:qualcomm:sdm630:-:*:*:*:*:*:*:
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cpe:2.3:h:qualcomm:sdm630:-:*:*:*:*:*:*:
```

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

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

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

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

[illegible]

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