



CVE-2019-14119

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

Certain versions of [lpq6018](#) from [Qualcomm](#) contain the following vulnerability:

u'While processing SMCInvoke asynchronous message header, message count is modified leading to a TOCTOU race condition and lead to memory corruption' in Snapdragon Auto, Snapdragon Compute, Snapdragon Connectivity, Snapdragon Consumer IOT, Snapdragon Industrial IOT, Snapdragon Mobile, Snapdragon Voice & Music,

Snapdragon Wired Infrastructure and Networking in IPQ6018, Kamorta, MDM9205, MDM9607, Nicobar, QCS404, QCS405, QCS605, QCS610, Rennell, SA415M, SA515M, SA6155P, SC7180, SC8180X, SDM670, SDM710, SDX24, SDX55, SM6150, SM7150, SM8150, SM8250, SXR1130, SXR2130

CVE-2019-14119 has been assigned by [Q](#) product-security@qualcomm.com to track the vulnerability - currently rated as **HIGH** severity.

Affected Vendor/Software: [Q](#) Qualcomm, Inc. - Snapdragon Auto, Snapdragon Compute, Snapdragon Connectivity, Snapdragon Consumer IOT, Snapdragon Industrial IOT, Snapdragon Mobile, Snapdragon Voice & Music, Snapdragon Wired Infrastructure and Networking version IPQ6018, Kamorta, MDM9205, MDM9607, Nicobar, QCS404, QCS405, QCS605, QCS610, Rennell, SA415M, SA515M, SA6155P, SC7180, SC8180X, SDM670, SDM710, SDX24, SDX55, SM6150, SM7150, SM8150, SM8250, SXR1130, SXR2130

CVSS3 Score: **7 - HIGH**

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

CVSS2 Score: **6.9 - MEDIUM**

Access Vector	Access Complexity	Authentication
LOCAL	MEDIUM	NONE

Confidentiality Impact	Integrity Impact	Availability Impact				
COMPLETE	COMPLETE	COMPLETE				
CVE References						
Description	Tags	Link				
August 2020 Bulletin	Vendor Advisory www.qualcomm.com text/html	Q MISC www.qualcomm.com/company/product-security/bulletins/august-2020-security-bulletin				
August 2020 Security Bulletin Qualcomm	Broken Link www.qualcomm.com text/html	Q CONFIRM www.qualcomm.com/company/product-security/bulletins/august-2020-bulletin				
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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	lpq6018	-	All	All	All
Hardware  	Qualcomm	lpq6018	-	All	All	All
Operating System	Qualcomm	lpq6018 Firmware	-	All	All	All
Operating System	Qualcomm	lpq6018 Firmware	-	All	All	All
Hardware  	Qualcomm	Kamorta	-	All	All	All
Hardware  	Qualcomm	Kamorta	-	All	All	All
Operating System	Qualcomm	Kamorta Firmware	-	All	All	All
Operating System	Qualcomm	Kamorta Firmware	-	All	All	All
Hardware  	Qualcomm	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
Operating System	Qualcomm	Mdm9607 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	Sa415m	-	All	All	All
Hardware  	Qualcomm	Sa415m	-	All	All	All
Operating System	Qualcomm	Sa415m Firmware	-	All	All	All
Operating System	Qualcomm	Sa415m Firmware	-	All	All	All
Hardware  	Qualcomm	Sa515m	-	All	All	All
Hardware  	Qualcomm	Sa515m	-	All	All	All
Operating System	Qualcomm	Sa515m Firmware	-	All	All	All
Operating System	Qualcomm	Sa515m 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	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

System						
Operating System	Qualcomm	Sdm710 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	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		Sxr1130	-	All	All	All
Operating System	Qualcomm	Sxr1130 Firmware	-	All	All	All
Operating System	Qualcomm	Sxr1130 Firmware	-	All	All	All
Hardware		Sxr2130	-	All	All	All
Hardware		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: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: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: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: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:gcs404:-:*~::~:						

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:gcs405:-:*:*:*:*:*:
```

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

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

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

cpe:2.3:h:qualcomm:gcs605:-:*:*:*:*:*:*:

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:qcs610:-:*:*:*:*:*:*:
```

```
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:sa415m:-:*:*:*:*:*:*:

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

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

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

cpe:2.3:h:qualcomm:sa515m:-:*:*:*:*:*:

cpe:2.3:h:qualcomm:sa515m:-:*:*:*:*:*:*:

```
cpe:2.3:o:qualcomm:sa515m_firmware:-:*:*:*:*:*:
```

```
cpe:2.3:o:qualcomm:sa515m_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:-:*:*:*:*:*:*:
```

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: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:sdx24:-:*:*:*:*:*:*:

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

```
cpe:2.3:o:qualcomm:sdx24_firmware:-:*:*:*:*:*:
```

cpe:2.3:o:qualcomm:sdx24_firmware:-:*:*:*:*:*:*

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

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

```
cpe:2.3:o:qualcomm:sdx55_firmware:-:*:*:*:*:*:
```

```
cpe:2.3:o:qualcomm:sdx55_firmware:-:*:*:*:*:*:
```

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

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

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