



CVE-2019-10596

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CVE-2019-10596

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

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

u'Improper access control can lead signed process to guess pid of other processes and access their address space' in Snapdragon Auto, Snapdragon Compute, Snapdragon Connectivity, Snapdragon Consumer IOT, Snapdragon Industrial IOT, Snapdragon Mobile, Snapdragon Wired Infrastructure and Networking in Bitra, Nicobar,

QCS605, QCS610, Rennell, SA6155P, Saipan, SC7180, SC8180X, SDM670, SDM710, SDM845, SDM850, SM6150, SM7150, SM8150, SM8250, SXR1130, SXR2130

CVE-2019-10596 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 Wired Infrastructure and Networking version Bitra, Nicobar, QCS605, QCS610, Rennell, SA6155P, Saipan, SC7180, SC8180X, SDM670, SDM710, SDM845, SDM850, SM6150, SM7150, SM8150, SM8250, 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 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	Bitra	-	All	All	All
Hardware 	Qualcomm	Bitra	-	All	All	All
Operating System	Qualcomm	Bitra Firmware	-	All	All	All
Operating System	Qualcomm	Bitra 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	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

Operating System	Qualcomm	Secure 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	Saipan	-	All	All	All
Hardware  	Qualcomm	Saipan	-	All	All	All
Operating System	Qualcomm	Saipan Firmware	-	All	All	All
Operating System	Qualcomm	Saipan 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
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		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:bitra:-:*~::~:						
cpe:2.3:h:qualcomm:bitra:-:*~::~:						
cpe:2.3:o:qualcomm:bitra_firmware:-:*~::~:						
cpe:2.3:o:qualcomm:bitra_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: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: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: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:saipan:-:*:*:*:*:*:*:

cpe:2.3:h:qualcomm:saipan:-:*:*:*:*:*:*:

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

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

```
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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