



CVE-2019-10555

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CVE-2019-10555

Source: [Mitre](#)

Source: [NIST](#)

[CVE.ORG](#)

Print: [PDF](#)



Certain versions of [Apq8017](#) from [Qualcomm](#) contain the following vulnerability:

Buffer overflow can occur due to usage of wrong datatype and missing length check before copying into buffer in Snapdragon Auto, Snapdragon Compute, Snapdragon Consumer Electronics Connectivity, Snapdragon Consumer IOT, Snapdragon Industrial IOT, Snapdragon Mobile, Snapdragon Voice & Music, Snapdragon

Wearables in APQ8017, APQ8053, APQ8096AU, APQ8098, MDM9206, MDM9207C, MDM9607, MDM9640, MDM9650, MSM8909, MSM8909W, MSM8917, MSM8920, MSM8937, MSM8940, MSM8953, MSM8996AU, MSM8998, Nicobar, QCN7605, QCS405, QCS605, QM215, SDA660, SDA845, SDM429, SDM439, SDM450, SDM630, SDM632, SDM636, SDM660, SDM670, SDM710, SDM845, SDX20, SDX24, SM6150, SM7150, SM8150

CVE-2019-10555 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 Electronics Connectivity, Snapdragon Consumer IOT, Snapdragon Industrial IOT, Snapdragon Mobile, Snapdragon Voice & Music, Snapdragon Wearables** version **APQ8017, APQ8053, APQ8096AU, APQ8098, MDM9206, MDM9207C, MDM9607, MDM9640, MDM9650, MSM8909, MSM8909W, MSM8917, MSM8920, MSM8937, MSM8940, MSM8953, MSM8996AU, MSM8998, Nicobar, QCN7605, QCS405, QCS605, QM215, SDA660, SDA845, SDM429, SDM439, SDM450, SDM630, SDM632, SDM636, SDM660, SDM670, SDM710, SDM845, SDX20, SDX24, SM6150, SM7150, SM8150**

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: **4.6 - MEDIUM**

Access Vector	Access Complexity	Authentication
LOCAL	LOW	NONE
Confidentiality Impact	Integrity Impact	Availability Impact
PARTIAL	PARTIAL	PARTIAL

CVE References

Description	Tags	Link
November Security Bulletin 2019 Qualcomm	Patch Vendor Advisory www.qualcomm.com text/html	CONFIRM www.qualcomm.com/company/product-security/bulletins/november-2019-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	Apq8017	-	All	All	All
Hardware 	Qualcomm	Apq8017	-	All	All	All
Operating System	Qualcomm	Apq8017 Firmware	-	All	All	All
Operating System	Qualcomm	Apq8017 Firmware	-	All	All	All
Hardware 	Qualcomm	Apq8053	-	All	All	All
Hardware 	Qualcomm	Apq8053	-	All	All	All
Operating System	Qualcomm	Apq8053 Firmware	-	All	All	All
Operating System	Qualcomm	Apq8053 Firmware	-	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
Hardware 	Qualcomm	Apq8098	-	All	All	All
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	Mdm9206	-	All	All	All
Hardware  	Qualcomm	Mdm9206	-	All	All	All
Operating System	Qualcomm	Mdm9206 Firmware	-	All	All	All
Operating System	Qualcomm	Mdm9206 Firmware	-	All	All	All
Hardware  	Qualcomm	Mdm9207c	-	All	All	All
Hardware  	Qualcomm	Mdm9207c	-	All	All	All
Operating System	Qualcomm	Mdm9207c Firmware	-	All	All	All
Operating System	Qualcomm	Mdm9207c 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	Msm8909	-	All	All	All
Hardware  	Qualcomm	Msm8909	-	All	All	All
Hardware  	Qualcomm	Msm8909w	-	All	All	All
Hardware  	Qualcomm	Msm8909w	-	All	All	All

Operating System	Qualcomm	Msm8909w Firmware	-	All	All	All
Operating System	Qualcomm	Msm8909w Firmware	-	All	All	All
Operating System	Qualcomm	Msm8909 Firmware	-	All	All	All
Operating System	Qualcomm	Msm8909 Firmware	-	All	All	All
Hardware  	Qualcomm	Msm8917	-	All	All	All
Hardware  	Qualcomm	Msm8917	-	All	All	All
Operating System	Qualcomm	Msm8917 Firmware	-	All	All	All
Operating System	Qualcomm	Msm8917 Firmware	-	All	All	All
Hardware  	Qualcomm	Msm8920	-	All	All	All
Hardware  	Qualcomm	Msm8920	-	All	All	All
Operating System	Qualcomm	Msm8920 Firmware	-	All	All	All
Operating System	Qualcomm	Msm8920 Firmware	-	All	All	All
Hardware  	Qualcomm	Msm8937	-	All	All	All
Hardware  	Qualcomm	Msm8937	-	All	All	All
Operating System	Qualcomm	Msm8937 Firmware	-	All	All	All
Operating System	Qualcomm	Msm8937 Firmware	-	All	All	All
Hardware  	Qualcomm	Msm8940	-	All	All	All
Hardware  	Qualcomm	Msm8940	-	All	All	All
Operating System	Qualcomm	Msm8940 Firmware	-	All	All	All
Operating System	Qualcomm	Msm8940 Firmware	-	All	All	All
Hardware  	Qualcomm	Msm8953	-	All	All	All
Hardware  	Qualcomm	Msm8953	-	All	All	All
Operating System	Qualcomm	Msm8953 Firmware	-	All	All	All
Operating System	Qualcomm	Msm8953 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
Operating System	Qualcomm	Msm8996au 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	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	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	Qm215	-	All	All	All
Hardware  	Qualcomm	Qm215	-	All	All	All
Operating System	Qualcomm	Qm215 Firmware	-	All	All	All
Operating System	Qualcomm	Qm215 Firmware	-	All	All	All
Hardware  	Qualcomm	Sda660	-	All	All	All

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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	Sdm429	-	All	All	All
Hardware 🇵🇪 ↗	Qualcomm	Sdm429	-	All	All	All
Operating System	Qualcomm	Sdm429 Firmware	-	All	All	All
Operating System	Qualcomm	Sdm429 Firmware	-	All	All	All
Hardware 🇵🇪 ↗	Qualcomm	Sdm439	-	All	All	All
Hardware 🇵🇪 ↗	Qualcomm	Sdm439	-	All	All	All
Operating System	Qualcomm	Sdm439 Firmware	-	All	All	All
Operating System	Qualcomm	Sdm439 Firmware	-	All	All	All
Hardware 🇵🇪 ↗	Qualcomm	Sdm450	-	All	All	All
Hardware 🇵🇪 ↗	Qualcomm	Sdm450	-	All	All	All
Operating System	Qualcomm	Sdm450 Firmware	-	All	All	All
Operating System	Qualcomm	Sdm450 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	Sdm632	-	All	All	All
Hardware 🇵🇪 ↗	Qualcomm	Sdm632	-	All	All	All
Operating System	Qualcomm	Sdm632 Firmware	-	All	All	All

Operating System	Qualcomm	Sdm632 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	Sdx20	-	All	All	All
Hardware  	Qualcomm	Sdx20	-	All	All	All
Operating System	Qualcomm	Sdx20 Firmware	-	All	All	All
Operating System	Qualcomm	Sdx20 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	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
cpe:2.3:h:qualcomm:apq8017:-:~::~:						
cpe:2.3:h:qualcomm:apq8017:-:~::~:						
cpe:2.3:o:qualcomm:apq8017_firmware:-:~::~:						
cpe:2.3:o:qualcomm:apq8017_firmware:-:~::~:						
cpe:2.3:h:qualcomm:apq8053:-:~::~:						
cpe:2.3:h:qualcomm:apq8053:-:~::~:						
cpe:2.3:o:qualcomm:apq8053_firmware:-:~::~:						
cpe:2.3:o:qualcomm:apq8053_firmware:-:~::~:						
cpe:2.3:h:qualcomm:apq8096au:-:~::~:						
cpe:2.3:h:qualcomm:apq8096au:-:~::~:						
cpe:2.3:o:qualcomm:apq8096au_firmware:-:~::~:						
cpe:2.3:o:qualcomm:apq8096au_firmware:-:~::~:						
cpe:2.3:h:qualcomm:apq8098:-:~::~:						


```
cpe:2.3:o:qualcomm:msm8909w_firmware:-:*:*:*:*:*:*:
```

```
cpe:2.3:o:qualcomm:msm8909 firmware:-:*:*:*:*:*.*
```

```
cpe:2.3:o:qualcomm:msm8909 firmware:-:*:*:*:*:*.*
```

cpe:2.3:h:qualcomm:msm8917:-:*:*:*:*:*:

```
cpe:2.3:h:qualcomm:msm8917:-:*:*:*:*:*:
```

```
cpe:2.3:o:qualcomm:msm8917_firmware:-:*:*:*:*:*.*
```

```
cpe:2.3:o:qualcomm:msm8917_firmware:-:*:*:*:*:*.*
```

cpe:2.3:h:qualcomm:msm8920:-:*:*:*:*:*:

cpe:2.3:h:qualcomm:msm8920:-:*:*:*:*:*:

```
cpe:2.3:o:qualcomm:msm8920_firmware:-:*:*:*:*:*:*:
```

```
cpe:2.3:o:qualcomm:msm8920 firmware:-:*:*:*:*:*.*
```

cpe:2.3:h:qualcomm:msm8937:-:*:*:*:*:*:

cpe:2.3:h:qualcomm:msm8937:-:*:*:*:*:*:

```
cpe:2.3:o:qualcomm:msm8937_firmware:-:*:*:*:*:*:*:
```

```
cpe:2.3:o:qualcomm:msm8937_firmware:-:*:*:*:*:*:*:
```

cpe:2.3:h:qualcomm:msm8940:-:*:*:*:*:*:

```
cpe:2.3:h:qualcomm:msm8940:-:*:*:*:*:*:*:
```

```
cpe:2.3:o:qualcomm:msm8940_firmware:-:*:*:*:*:*
```

```
cpe:2.3:o:qualcomm:msm8940_firmware:-:*:*:*:*:*:*
```

cpe:2.3:h:qualcomm:msm8953:-:*:*:*:*:*:*:

```
cpe:2.3:h:qualcomm:msm8953:-:*:*:*:*:*:*:
```

```
cpe:2.3:o:qualcomm:msm8953_firmware:-:*:*:*:*:*
```

```
cpe:2.3:o:qualcomm:msm8953_firmware:-:*:*:*:*:*:*:
```

cpe:2.3:h:qualcomm:msm8996au:-:*:*:*:*:*:*:

cpe:2.3:h:qualcomm:msm8996au:-:*:*:*:*:*:

```
cpe:2.3:o:qualcomm:msm8996au_firmware:-:*:*:*:*:*:
```

```
cpe:2.3:o:qualcomm:msm8996au firmware:-.*:.*:.*:.*:.*:.*
```

```
cpe:2.3:h:qualcomm:msm8998:-:*:*:*:*:*:
```

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cpe:2.3:n: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: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:gcs405:-:*:*:*:*:*:
```

```
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:qm215:-:*:*:*:*:*:
```

cpe:2.3:h:qualcomm:qm215:-:*:*:*:*:*:

```
cpe:2.3:o:qualcomm:qm215 firmware:-:*:*:*:*:*:*
```

```
cpe:2.3:o:qualcomm:qm215_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:sdm429:-:~::~~::~~::~~::~~::~~::~~::
cpe:2.3:h:qualcomm:sdm429:-:~::~~::~~::~~::~~::~~::~~::
cpe:2.3:o:qualcomm:sdm429_firmware:-:~::~~::~~::~~::~~::~~::~~::
cpe:2.3:o:qualcomm:sdm429_firmware:-:~::~~::~~::~~::~~::~~::~~::
cpe:2.3:h:qualcomm:sdm439:-:~::~~::~~::~~::~~::~~::~~::
cpe:2.3:h:qualcomm:sdm439:-:~::~~::~~::~~::~~::~~::~~::
cpe:2.3:o:qualcomm:sdm439_firmware:-:~::~~::~~::~~::~~::~~::~~::
cpe:2.3:o:qualcomm:sdm439_firmware:-:~::~~::~~::~~::~~::~~::~~::
cpe:2.3:h:qualcomm:sdm450:-:~::~~::~~::~~::~~::~~::~~::
cpe:2.3:h:qualcomm:sdm450:-:~::~~::~~::~~::~~::~~::~~::
cpe:2.3:o:qualcomm:sdm450_firmware:-:~::~~::~~::~~::~~::~~::~~::
cpe:2.3:o:qualcomm:sdm450_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:sdm632:-:~::~~::~~::~~::~~::~~::~~::
cpe:2.3:h:qualcomm:sdm632:-:~::~~::~~::~~::~~::~~::~~::
cpe:2.3:o:qualcomm:sdm632_firmware:-:~::~~::~~::~~::~~::~~::~~::
cpe:2.3:o:qualcomm:sdm632_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: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:-:*****:	
No vendor comments have been submitted for this CVE	
← Previous ID	Next ID→