



CVE-2018-12012

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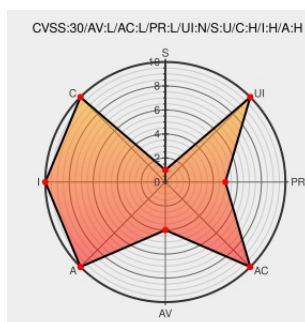
CVE-2018-12012

[Source: Mitre](#)

[Source: NIST](#)

[CVE.ORG](#)

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Certain versions of [Mdm9206](#) from [Qualcomm](#) contain the following vulnerability:

While updating blacklisting region shared buffered memory region is not validated against newly updated black list, causing boot-up to be compromised in Snapdragon Auto, Snapdragon Compute, Snapdragon Consumer Electronics Connectivity, Snapdragon Consumer IOT, Snapdragon Industrial IOT, Snapdragon Mobile, Snapdragon Voice &

Music, Snapdragon Wearables in MDM9206, MDM9607, MDM9650, MDM9655, QCS605, SD 210/SD 212/SD 205, SD 410/12, SD 615/16/SD 415, SD 712 / SD 710 / SD 670, SD 835, SD 845 / SD 850, SD 8CX, SXR1130

CVE-2018-12012 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 MDM9206, MDM9607, MDM9650, MDM9655, QCS605, SD 210/SD 212/SD 205, SD 410/12, SD 615/16/SD 415, SD 712 / SD 710 / SD 670, SD 835, SD 845 / SD 850, SD 8CX, SXR1130

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
Bulletins Qualcomm	Vendor Advisory www.qualcomm.com text/html	Q CONFIRM www.qualcomm.com/company/product-security/bulletins#_CVE-2018-12012

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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	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	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	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	Mdm9655	-	All	All	All
Hardware 	Qualcomm	Mdm9655	-	All	All	All
Operating System	Qualcomm	Mdm9655 Firmware	-	All	All	All
Operating System	Qualcomm	Mdm9655 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	Sd 205	-	All	All	All
Hardware  	Qualcomm	Sd 205	-	All	All	All
Operating System	Qualcomm	Sd 205 Firmware	-	All	All	All
Operating System	Qualcomm	Sd 205 Firmware	-	All	All	All
Hardware  	Qualcomm	Sd 210	-	All	All	All
Hardware  	Qualcomm	Sd 210	-	All	All	All
Operating System	Qualcomm	Sd 210 Firmware	-	All	All	All
Operating System	Qualcomm	Sd 210 Firmware	-	All	All	All
Hardware  	Qualcomm	Sd 212	-	All	All	All
Hardware  	Qualcomm	Sd 212	-	All	All	All
Operating System	Qualcomm	Sd 212 Firmware	-	All	All	All
Operating System	Qualcomm	Sd 212 Firmware	-	All	All	All
Hardware  	Qualcomm	Sd 410	-	All	All	All
Hardware  	Qualcomm	Sd 410	-	All	All	All
Operating System	Qualcomm	Sd 410 Firmware	-	All	All	All
Operating System	Qualcomm	Sd 410 Firmware	-	All	All	All
Hardware  	Qualcomm	Sd 412	-	All	All	All
Hardware  	Qualcomm	Sd 412	-	All	All	All
Operating System	Qualcomm	Sd 412 Firmware	-	All	All	All
Operating System	Qualcomm	Sd 412 Firmware	-	All	All	All
Hardware  	Qualcomm	Sd 415	-	All	All	All
Hardware  	Qualcomm	Sd 415	-	All	All	All
Operating System	Qualcomm	Sd 415 Firmware	-	All	All	All

Operating System	Qualcomm	Sd 415 Firmware	-	All	All	All
Hardware  	Qualcomm	Sd 615	-	All	All	All
Hardware  	Qualcomm	Sd 615	-	All	All	All
Operating System	Qualcomm	Sd 615 Firmware	-	All	All	All
Operating System	Qualcomm	Sd 615 Firmware	-	All	All	All
Hardware  	Qualcomm	Sd 616	-	All	All	All
Hardware  	Qualcomm	Sd 616	-	All	All	All
Operating System	Qualcomm	Sd 616 Firmware	-	All	All	All
Operating System	Qualcomm	Sd 616 Firmware	-	All	All	All
Hardware  	Qualcomm	Sd 670	-	All	All	All
Hardware  	Qualcomm	Sd 670	-	All	All	All
Operating System	Qualcomm	Sd 670 Firmware	-	All	All	All
Operating System	Qualcomm	Sd 670 Firmware	-	All	All	All
Hardware  	Qualcomm	Sd 710	-	All	All	All
Hardware  	Qualcomm	Sd 710	-	All	All	All
Operating System	Qualcomm	Sd 710 Firmware	-	All	All	All
Operating System	Qualcomm	Sd 710 Firmware	-	All	All	All
Hardware  	Qualcomm	Sd 712	-	All	All	All
Hardware  	Qualcomm	Sd 712	-	All	All	All
Operating System	Qualcomm	Sd 712 Firmware	-	All	All	All
Operating System	Qualcomm	Sd 712 Firmware	-	All	All	All
Hardware  	Qualcomm	Sd 835	-	All	All	All
Hardware  	Qualcomm	Sd 835	-	All	All	All
Operating System	Qualcomm	Sd 835 Firmware	-	All	All	All
Operating System	Qualcomm	Sd 835 Firmware	-	All	All	All
Hardware  	Qualcomm	Sd 845	-	All	All	All

Hardware		Qualcomm	Sd 845	-	All	All	All
Operating System		Qualcomm	Sd 845 Firmware	-	All	All	All
Operating System		Qualcomm	Sd 845 Firmware	-	All	All	All
Hardware		Qualcomm	Sd 850	-	All	All	All
Hardware		Qualcomm	Sd 850	-	All	All	All
Operating System		Qualcomm	Sd 850 Firmware	-	All	All	All
Operating System		Qualcomm	Sd 850 Firmware	-	All	All	All
Hardware		Qualcomm	Sd 8cx	-	All	All	All
Hardware		Qualcomm	Sd 8cx	-	All	All	All
Operating System		Qualcomm	Sd 8cx Firmware	-	All	All	All
Operating System		Qualcomm	Sd 8cx 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
cpe:2.3:h:qualcomm:mdm9206:-:*~::~:							
cpe:2.3:h:qualcomm:mdm9206:-:*~::~:							
cpe:2.3:o:qualcomm:mdm9206_firmware:-:*~::~:							
cpe:2.3:o:qualcomm:mdm9206_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:mdm9655:-:*:*:*:*:*:*:

```
cpe:2.3:h:qualcomm:mdm9655:-:*:*:*:*:*:*:
```

```
cpe:2.3:o:qualcomm:mdm9655_firmware:-:*:*:*:*:*:*:
```

```
cpe:2.3:o:qualcomm:mdm9655_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:sd_205:-:*:*:*:*:*:*:

cpe:2.3:h:qualcomm:sd_205:-:*:*:*:*:*:*:

```
cpe:2.3:o:qualcomm:sd_205_firmware:-:*:*:*:*:*:
```

```
cpe:2.3:o:qualcomm:sd_205_firmware:-:*:*:*:*:*:
```

```
cpe:2.3:h:qualcomm:sd_210:-:*:*:*:*:*:*:
```

```
cpe:2.3:h:qualcomm:sd_210:-:*:*:*:*:*:*:
```

```
cpe:2.3:o:qualcomm:sd 210 firmware:-:*:*:*:*:*:
```

```
cpe:2.3:o:qualcomm:sd_210_firmware:-:*:*:*:*:*:
```

cpe:2.3:h:qualcomm:sd_212:-:*:*:*:*:*:*:

cpe:2.3:h:qualcomm:sd_212:-:*:*:*:*:*:*:

```
cpe:2.3:o:qualcomm:sd_212_firmware:-:*:*:*:*:*:
```

```
cpe:2.3:o:qualcomm:sd_212_firmware:-:*:*:*:*:*:
```

```
cpe:2.3:h:qualcomm:sd_410:-:*:*:*:*:*:
```

```
cpe:2.3:h:qualcomm:sd_410:-:*:*:*:*:*:
```

```
cpe:2.3:o:qualcomm:sd_410_firmware:-:*:*:*:*:*:
```

```
cpe:2.3:o:qualcomm:sd_410_firmware:-:*:*:*:*:*:
```

```
cpe:2.3:h:qualcomm:sd_412:-:*:*:*:*:*:*:
```

```
cpe:2.3:h:qualcomm:sd_412:-:*:*:*:*:*:*:
```

```
cpe:2.3:o:qualcomm:sd 412 firmware:-:~::~~::~~::~~::~~::~~::
```

```
cpe:2.3:o:qualcomm:sd_412_firmware:-:~::~~::~~::~~::~~::~::
```

cpe:2.3:h:qualcomm:sd_415:-:*:*:*:*:*:*:

cpe:2.3:h:qualcomm:sd_415:-:~::~~::~~::~~::~~::~~::~~:::
cpe:2.3:o:qualcomm:sd_415_firmware:-:~::~~::~~::~~::~~::~~::~~:::
cpe:2.3:o:qualcomm:sd_415_firmware:-:~::~~::~~::~~::~~::~~::~~:::
cpe:2.3:h:qualcomm:sd_615:-:~::~~::~~::~~::~~::~~::~~:::
cpe:2.3:h:qualcomm:sd_615:-:~::~~::~~::~~::~~::~~::~~:::
cpe:2.3:o:qualcomm:sd_615_firmware:-:~::~~::~~::~~::~~::~~::~~:::
cpe:2.3:o:qualcomm:sd_615_firmware:-:~::~~::~~::~~::~~::~~::~~:::
cpe:2.3:h:qualcomm:sd_616:-:~::~~::~~::~~::~~::~~::~~:::
cpe:2.3:h:qualcomm:sd_616:-:~::~~::~~::~~::~~::~~::~~:::
cpe:2.3:o:qualcomm:sd_616_firmware:-:~::~~::~~::~~::~~::~~::~~:::
cpe:2.3:o:qualcomm:sd_616_firmware:-:~::~~::~~::~~::~~::~~::~~:::
cpe:2.3:h:qualcomm:sd_670:-:~::~~::~~::~~::~~::~~::~~:::
cpe:2.3:h:qualcomm:sd_670:-:~::~~::~~::~~::~~::~~::~~:::
cpe:2.3:o:qualcomm:sd_670_firmware:-:~::~~::~~::~~::~~::~~::~~:::
cpe:2.3:o:qualcomm:sd_670_firmware:-:~::~~::~~::~~::~~::~~::~~:::
cpe:2.3:h:qualcomm:sd_710:-:~::~~::~~::~~::~~::~~::~~:::
cpe:2.3:h:qualcomm:sd_710:-:~::~~::~~::~~::~~::~~::~~:::
cpe:2.3:o:qualcomm:sd_710_firmware:-:~::~~::~~::~~::~~::~~::~~:::
cpe:2.3:o:qualcomm:sd_710_firmware:-:~::~~::~~::~~::~~::~~::~~:::
cpe:2.3:h:qualcomm:sd_712:-:~::~~::~~::~~::~~::~~::~~:::
cpe:2.3:h:qualcomm:sd_712:-:~::~~::~~::~~::~~::~~::~~:::
cpe:2.3:o:qualcomm:sd_712_firmware:-:~::~~::~~::~~::~~::~~::~~:::
cpe:2.3:o:qualcomm:sd_712_firmware:-:~::~~::~~::~~::~~::~~::~~:::
cpe:2.3:h:qualcomm:sd_835:-:~::~~::~~::~~::~~::~~::~~:::
cpe:2.3:h:qualcomm:sd_835:-:~::~~::~~::~~::~~::~~::~~:::
cpe:2.3:o:qualcomm:sd_835_firmware:-:~::~~::~~::~~::~~::~~::~~:::
cpe:2.3:o:qualcomm:sd_835_firmware:-:~::~~::~~::~~::~~::~~::~~:::
cpe:2.3:h:qualcomm:sd_845:-:~::~~::~~::~~::~~::~~::~~:::

cpe:2.3:h:qualcomm:sd_845:-:~::~~::~~::~~::~~::~~::~~:::
cpe:2.3:o:qualcomm:sd_845_firmware:-:~::~~::~~::~~::~~::~~::~~:::
cpe:2.3:o:qualcomm:sd_845_firmware:-:~::~~::~~::~~::~~::~~::~~:::
cpe:2.3:h:qualcomm:sd_850:-:~::~~::~~::~~::~~::~~::~~:::
cpe:2.3:h:qualcomm:sd_850:-:~::~~::~~::~~::~~::~~::~~:::
cpe:2.3:o:qualcomm:sd_850_firmware:-:~::~~::~~::~~::~~::~~::~~:::
cpe:2.3:o:qualcomm:sd_850_firmware:-:~::~~::~~::~~::~~::~~::~~:::
cpe:2.3:h:qualcomm:sd_8cx:-:~::~~::~~::~~::~~::~~::~~:::
cpe:2.3:h:qualcomm:sd_8cx:-:~::~~::~~::~~::~~::~~::~~:::
cpe:2.3:o:qualcomm:sd_8cx_firmware:-:~::~~::~~::~~::~~::~~::~~:::
cpe:2.3:o:qualcomm:sd_8cx_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:-:~::~~::~~::~~::~~::~~::~~:::

No vendor comments have been submitted for this CVE

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