



CVE-2017-18311

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CVE-2017-18311

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

Certain versions of [Mdm9607](#) from [Qualcomm](#) contain the following vulnerability:

XPU Master privilege escalation is possible due to improper access control of unused configuration xPU ports where unused configuration ports are open in Snapdragon Automobile, Snapdragon Mobile, Snapdragon Wear in version MDM9607, MDM9635M, MDM9640, MDM9645, MDM9650, MDM9655, MSM8909W, MSM8996AU, SD 210/SD 212/SD 205, SD 410/12, SD 425, SD 427, SD 430, SD 435, SD 450, SD 615/16/SD 415, SD 625, SD 650/52, SD 810, SD 820, SD 820A, SD 835, SDA660, SDM429, SDM439, SDM630, SDM632, SDM636, SDM660, Snapdragon_High_Med_2016.

CVE-2017-18311 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 Automobile, Snapdragon Mobile, Snapdragon Wear** version **MDM9607, MDM9635M, MDM9640, MDM9645, MDM9650, MDM9655, MSM8909W, MSM8996AU, SD 210/SD 212/SD 205, SD 410/12, SD 425, SD 427, SD 430, SD 435, SD 450, SD 615/16/SD 415, SD 625, SD 650/52, SD 810, SD 820, SD 820A, SD 835, SDA660, SDM429, SDM439, SDM630, SDM632, SDM636, SDM660, Snapdragon_High_Med_2016**

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

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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	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	Mdm9635m	-	All	All	All
Hardware 	Qualcomm	Mdm9635m	-	All	All	All
Operating System	Qualcomm	Mdm9635m Firmware	-	All	All	All
Operating System	Qualcomm	Mdm9635m 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	Mdm9645	-	All	All	All
Hardware 	Qualcomm	Mdm9645	-	All	All	All
Operating System	Qualcomm	Mdm9645 Firmware	-	All	All	All
Operating System	Qualcomm	Mdm9645 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	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
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
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	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	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	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 425	-	All	All	All
Hardware  	Qualcomm	Sd 425	-	All	All	All
Operating System	Qualcomm	Sd 425 Firmware	-	All	All	All
Operating System	Qualcomm	Sd 425 Firmware	-	All	All	All
Hardware  	Qualcomm	Sd 427	-	All	All	All
Hardware  	Qualcomm	Sd 427	-	All	All	All
Operating System	Qualcomm	Sd 427 Firmware	-	All	All	All
Operating System	Qualcomm	Sd 427 Firmware	-	All	All	All
Hardware  	Qualcomm	Sd 430	-	All	All	All
Hardware  	Qualcomm	Sd 430	-	All	All	All
Operating System	Qualcomm	Sd 430 Firmware	-	All	All	All
Operating	Qualcomm	Sd 430 Firmware	-	All	All	All

System						
Hardware  	Qualcomm	Sd 435	-	All	All	All
Hardware  	Qualcomm	Sd 435	-	All	All	All
Operating System	Qualcomm	Sd 435 Firmware	-	All	All	All
Operating System	Qualcomm	Sd 435 Firmware	-	All	All	All
Hardware  	Qualcomm	Sd 450	-	All	All	All
Hardware  	Qualcomm	Sd 450	-	All	All	All
Operating System	Qualcomm	Sd 450 Firmware	-	All	All	All
Operating System	Qualcomm	Sd 450 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 625	-	All	All	All
Hardware  	Qualcomm	Sd 625	-	All	All	All
Operating System	Qualcomm	Sd 625 Firmware	-	All	All	All
Operating System	Qualcomm	Sd 625 Firmware	-	All	All	All
Hardware  	Qualcomm	Sd 650	-	All	All	All
Hardware  	Qualcomm	Sd 650	-	All	All	All
Operating System	Qualcomm	Sd 650 Firmware	-	All	All	All
Operating System	Qualcomm	Sd 650 Firmware	-	All	All	All
Hardware  	Qualcomm	Sd 652	-	All	All	All
Hardware  	Qualcomm	Sd 652	-	All	All	All

Operating System	Qualcomm	Sd 652 Firmware	-	All	All	All
Operating System	Qualcomm	Sd 652 Firmware	-	All	All	All
Hardware	Qualcomm	Sd 810	-	All	All	All
Hardware	Qualcomm	Sd 810	-	All	All	All
Operating System	Qualcomm	Sd 810 Firmware	-	All	All	All
Operating System	Qualcomm	Sd 810 Firmware	-	All	All	All
Hardware	Qualcomm	Sd 820	-	All	All	All
Hardware	Qualcomm	Sd 820	-	All	All	All
Hardware	Qualcomm	Sd 820a	-	All	All	All
Hardware	Qualcomm	Sd 820a	-	All	All	All
Operating System	Qualcomm	Sd 820a Firmware	-	All	All	All
Operating System	Qualcomm	Sd 820a Firmware	-	All	All	All
Operating System	Qualcomm	Sd 820 Firmware	-	All	All	All
Operating System	Qualcomm	Sd 820 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
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:mdm9635m:-:*:*:*:*:*:						
cpe:2.3:h:qualcomm:mdm9635m:-:*:*:*:*:*:						
cpe:2.3:o:qualcomm:mdm9635m_firmware:-:*:*:*:*:*:						
cpe:2.3:o:qualcomm:mdm9635m_firmware:-:*:*:*:*:*:						
cpe:2.3:h:qualcomm:mdm9640:-:*:*:*:*:*:						

cpe:2.3:h:qualcomm:mdm9640:-:*:*:*:*:*:

```
cpe:2.3:o:qualcomm:mdm9640_firmware:-:*:*:*:*:*
```

```
cpe:2.3:o:qualcomm:mdm9640 firmware:-:*:*:*:*:*.*
```

cpe:2.3:h:qualcomm:mdm9645:-:*:*:*:*:*:

cpe:2.3:h:qualcomm:mdm9645:-:*:*:*:*:*:

```
cpe:2.3:o:qualcomm:mdm9645_firmware:-:*:*:*:*:*:*
```

```
cpe:2.3:o:qualcomm:mdm9645_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:msm8909w:-:*:*:*:*:*:*:

cpe:2.3:h:qualcomm:msm8909w:-:*:*:*:*:*:

```
cpe:2.3:o:qualcomm:msm8909w firmware:-:*:*:*:*:*:
```

```
cpe:2.3:o:qualcomm:msm8909w_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: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: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: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:sdm660_firmware:-:*:*:*:*:*:*:
```

```
cpe:2.3:o:qualcomm:sdm660_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_425:-:*****:
cpe:2.3:h:qualcomm:sd_425:-:*****:
cpe:2.3:o:qualcomm:sd_425_firmware:-:*****:
cpe:2.3:o:qualcomm:sd_425_firmware:-:*****:
cpe:2.3:h:qualcomm:sd_427:-:*****:
cpe:2.3:h:qualcomm:sd_427:-:*****:
cpe:2.3:o:qualcomm:sd_427_firmware:-:*****:
cpe:2.3:o:qualcomm:sd_427_firmware:-:*****:
cpe:2.3:h:qualcomm:sd_430:-:*****:
cpe:2.3:h:qualcomm:sd_430:-:*****:

```
cpe:2.3:o:qualcomm:sd_430_firmware:-:*:*:*:*:*:
```

```
cpe:2.3:o:qualcomm:sd_430_firmware:-:*:*:*:*:*:
```

cpe:2.3:h:qualcomm:sd_435:-:*:*:*:*:*:*:

cpe:2.3:h:qualcomm:sd_435:-:*:*:*:*:*:*:

```
cpe:2.3:o:qualcomm:sd_435_firmware:-:*:*:*:*:*:
```

```
cpe:2.3:o:qualcomm:sd_435_firmware:-:*:*:*:*:*:*:
```

```
cpe:2.3:h:qualcomm:sd_450:-:*:*:*:*:*:*:
```

cpe:2.3:h:qualcomm:sd_450:-:*:*:*:*:*:

```
cpe:2.3:o:qualcomm:sd_450_firmware:-:*:*:*:*:*:*:
```

```
cpe:2.3:o:qualcomm:sd_450_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_625:-:*:*:*:*:*:*:
```

```
cpe:2.3:h:qualcomm:sd_625:-:*:*:*:*:*:*:
```

```
cpe:2.3:o:qualcomm:sd 625 firmware:-:*:*:*:*:*:*
```

```
cpe:2.3:o:qualcomm:sd 625 firmware:-:*:*:*:*:*:*
```

```
cpe:2.3:h:qualcomm:sd_650:-:*:*:*:*:*:*:
```

```
cpe:2.3:h:qualcomm:sd_650:-:*:*:*:*:*:*:
```

```
cpe:2.3:o:qualcomm:sd_650_firmware:-:*:*:*:*:*:
```

```
cpe:2.3:o:qualcomm:sd_650_firmware:-:*:*:*:*:*:
```

cpe:2.3:h:qualcomm:sd_652:-:*:*:*:*:*:*:

cpe:2.3:h:qualcomm:sd_652:-:*:*:*:*:*:

```
cpe:2.3:o:qualcomm:sd_652_firmware:-:*:*:*:*:*:*:
```

