



# CVE-2018-11970

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## CVE-2018-11970

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

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

TZ App dynamic allocations not protected from XBL loader in Snapdragon Auto, Snapdragon Compute, Snapdragon Consumer Electronics Connectivity, Snapdragon Consumer IOT, Snapdragon Industrial IOT, Snapdragon Mobile in MDM9206, MDM9607, MDM9650, MDM9655, QCS605, SD 410/12, SD 636, SD 712 / SD 710 / SD 670, SD 845 / SD 850, SD 8CX, SDA660, SDM630, SDM660, SXR1130

CVE-2018-11970 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 version MDM9206, MDM9607, MDM9650, MDM9655, QCS605, SD 410/12, SD 636, SD 712 / SD 710 / SD 670, SD 845 / SD 850, SD 8CX, SDA660, SDM630, SDM660, 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 | <a href="#">Vendor Advisory</a><br><a href="#">www.qualcomm.com</a><br><a href="#">text/html</a> |  <a href="https://www.qualcomm.com/company/product-security/bulletins">CONFIRM www.qualcomm.com/company/product-security/bulletins</a> |

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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    | <a href="#">Qualcomm</a> | <a href="#">Mdm9206</a>          | -       | All    | All     | All      |
| Hardware    | <a href="#">Qualcomm</a> | <a href="#">Mdm9206</a>          | -       | All    | All     | All      |
| Operating System                                                                             | <a href="#">Qualcomm</a> | <a href="#">Mdm9206 Firmware</a> | -       | All    | All     | All      |
| Operating System                                                                             | <a href="#">Qualcomm</a> | <a href="#">Mdm9206 Firmware</a> | -       | All    | All     | All      |
| Hardware  | <a href="#">Qualcomm</a> | <a href="#">Mdm9607</a>          | -       | All    | All     | All      |
| Hardware  | <a href="#">Qualcomm</a> | <a href="#">Mdm9607</a>          | -       | All    | All     | All      |
| Operating System                                                                             | <a href="#">Qualcomm</a> | <a href="#">Mdm9607 Firmware</a> | -       | All    | All     | All      |
| Operating System                                                                             | <a href="#">Qualcomm</a> | <a href="#">Mdm9607 Firmware</a> | -       | All    | All     | All      |
| Hardware  | <a href="#">Qualcomm</a> | <a href="#">Mdm9650</a>          | -       | All    | All     | All      |
| Hardware  | <a href="#">Qualcomm</a> | <a href="#">Mdm9650</a>          | -       | All    | All     | All      |
| Operating System                                                                             | <a href="#">Qualcomm</a> | <a href="#">Mdm9650 Firmware</a> | -       | All    | All     | All      |
| Operating System                                                                             | <a href="#">Qualcomm</a> | <a href="#">Mdm9650 Firmware</a> | -       | All    | All     | All      |
| Hardware  | <a href="#">Qualcomm</a> | <a href="#">Mdm9655</a>          | -       | All    | All     | All      |
| Hardware  | <a href="#">Qualcomm</a> | <a href="#">Mdm9655</a>          | -       | All    | All     | All      |
| Operating System                                                                             | <a href="#">Qualcomm</a> | <a href="#">Mdm9655 Firmware</a> | -       | All    | All     | All      |
| Operating System                                                                             | <a href="#">Qualcomm</a> | <a href="#">Mdm9655 Firmware</a> | -       | All    | All     | All      |
| Hardware  | <a href="#">Qualcomm</a> | <a href="#">Qcs605</a>           | -       | All    | All     | All      |
| Hardware  | <a href="#">Qualcomm</a> | <a href="#">Qcs605</a>           | -       | All    | All     | All      |

|                                                                                                                                                                                  |          |                 |   |     |     |     |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|-----------------|---|-----|-----|-----|
|                                                                                                                                                                                  |          |                 |   |     |     |     |
| Operating System                                                                                                                                                                 | Qualcomm | Qcs605 Firmware | - | All | All | All |
| Operating System                                                                                                                                                                 | Qualcomm | Qcs605 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 | 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 | 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 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 636          | - | All | All | All |
| Hardware   | Qualcomm | Sd 636          | - | All | All | All |
| Operating System                                                                                                                                                                 | Qualcomm | Sd 636 Firmware | - | All | All | All |
| Operating System                                                                                                                                                                 | Qualcomm | Sd 636 Firmware | - | All | All | All |

|                                                                                                                                                                                  |                          |                                  |   |     |     |     |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------|----------------------------------|---|-----|-----|-----|
| Hardware       | <a href="#">Qualcomm</a> | <a href="#">Sd 670</a>           | - | All | All | All |
| Hardware       | <a href="#">Qualcomm</a> | <a href="#">Sd 670</a>           | - | All | All | All |
| Operating System                                                                                                                                                                 | <a href="#">Qualcomm</a> | <a href="#">Sd 670 Firmware</a>  | - | All | All | All |
| Operating System                                                                                                                                                                 | <a href="#">Qualcomm</a> | <a href="#">Sd 670 Firmware</a>  | - | All | All | All |
| Hardware       | <a href="#">Qualcomm</a> | <a href="#">Sd 710</a>           | - | All | All | All |
| Hardware       | <a href="#">Qualcomm</a> | <a href="#">Sd 710</a>           | - | All | All | All |
| Operating System                                                                                                                                                                 | <a href="#">Qualcomm</a> | <a href="#">Sd 710 Firmware</a>  | - | All | All | All |
| Operating System                                                                                                                                                                 | <a href="#">Qualcomm</a> | <a href="#">Sd 710 Firmware</a>  | - | All | All | All |
| Hardware       | <a href="#">Qualcomm</a> | <a href="#">Sd 712</a>           | - | All | All | All |
| Hardware       | <a href="#">Qualcomm</a> | <a href="#">Sd 712</a>           | - | All | All | All |
| Operating System                                                                                                                                                                 | <a href="#">Qualcomm</a> | <a href="#">Sd 712 Firmware</a>  | - | All | All | All |
| Operating System                                                                                                                                                                 | <a href="#">Qualcomm</a> | <a href="#">Sd 712 Firmware</a>  | - | All | All | All |
| Hardware   | <a href="#">Qualcomm</a> | <a href="#">Sd 845</a>           | - | All | All | All |
| Hardware   | <a href="#">Qualcomm</a> | <a href="#">Sd 845</a>           | - | All | All | All |
| Operating System                                                                                                                                                                 | <a href="#">Qualcomm</a> | <a href="#">Sd 845 Firmware</a>  | - | All | All | All |
| Operating System                                                                                                                                                                 | <a href="#">Qualcomm</a> | <a href="#">Sd 845 Firmware</a>  | - | All | All | All |
| Hardware   | <a href="#">Qualcomm</a> | <a href="#">Sd 850</a>           | - | All | All | All |
| Hardware   | <a href="#">Qualcomm</a> | <a href="#">Sd 850</a>           | - | All | All | All |
| Operating System                                                                                                                                                                 | <a href="#">Qualcomm</a> | <a href="#">Sd 850 Firmware</a>  | - | All | All | All |
| Operating System                                                                                                                                                                 | <a href="#">Qualcomm</a> | <a href="#">Sd 850 Firmware</a>  | - | All | All | All |
| Hardware   | <a href="#">Qualcomm</a> | <a href="#">Sd 8cx</a>           | - | All | All | All |
| Hardware   | <a href="#">Qualcomm</a> | <a href="#">Sd 8cx</a>           | - | All | All | All |
| Operating System                                                                                                                                                                 | <a href="#">Qualcomm</a> | <a href="#">Sd 8cx Firmware</a>  | - | All | All | All |
| Operating System                                                                                                                                                                 | <a href="#">Qualcomm</a> | <a href="#">Sd 8cx Firmware</a>  | - | All | All | All |
| Hardware   | <a href="#">Qualcomm</a> | <a href="#">Sxr1130</a>          | - | All | All | All |
| Hardware   | <a href="#">Qualcomm</a> | <a href="#">Sxr1130</a>          | - | All | All | All |
| Operating                                                                                                                                                                        | <a href="#">Qualcomm</a> | <a href="#">Sxr1130 Firmware</a> | - | All | All | All |



|                                             |
|---------------------------------------------|
| cpe:2.3:o:qualcomm:sdm630_firmware:-:*****: |
| cpe:2.3:o:qualcomm:sdm630_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_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_636:-:*****:          |
| cpe:2.3:h:qualcomm:sd_636:-:*****:          |
| cpe:2.3:o:qualcomm:sd_636_firmware:-:*****: |
| cpe:2.3:o:qualcomm:sd_636_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_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