



CVE-2019-14038

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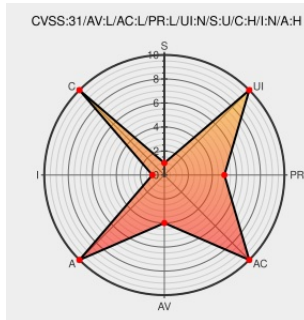
CVE-2019-14038

Source: Mitre

Source: NIST

CVE.ORG

Print: PDF



Certain versions of [Apq8009](#) from [Qualcomm](#) contain the following vulnerability:

Buffer over-read in ADSP parse function due to lack of check for availability of sufficient data payload received in command response in Snapdragon Auto, Snapdragon Compute, Snapdragon Consumer IOT, Snapdragon Industrial IOT, Snapdragon IoT, Snapdragon Mobile, Snapdragon Voice & Music, Snapdragon Wearables in APQ8009,

APQ8053, APQ8098, MDM9206, MDM9207C, MDM9607, MDM9640, MDM9650, MSM8905, MSM8909W, MSM8917, MSM8953, QCS605, SDA660, SDA845, SDM429, SDM429W, SDM439, SDM670, SDM710, SDM845, SDX20, SDX24

CVE-2019-14038 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 IOT, Snapdragon Industrial IOT, Snapdragon IoT, Snapdragon Mobile, Snapdragon Voice & Music, Snapdragon Wearables version APQ8009, APQ8053, APQ8098, MDM9206, MDM9207C, MDM9607, MDM9640, MDM9650, MSM8905, MSM8909W, MSM8917, MSM8953, QCS605, SDA660, SDA845, SDM429, SDM429W, SDM439, SDM670, SDM710, SDM845, SDX20, SDX24

CVSS3 Score: **7.1 - HIGH**

Attack Vector	Attack Complexity	Privileges Required	User Interaction
LOCAL	LOW	LOW	NONE
Scope	Confidentiality Impact	Integrity Impact	Availability Impact
UNCHANGED	HIGH	NONE	HIGH

CVSS2 Score: **3.6 - LOW**

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

PARTIAL

NONE

PARTIAL

CVE References

Description	Tags	Link
May 2020 Security Bulletin Qualcomm	Patch Vendor Advisory www.qualcomm.com text/html	Q CONFIRM www.qualcomm.com/company/product-security/bulletins/may-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	Apq8009	-	All	All	All
Hardware 	Qualcomm	Apq8009	-	All	All	All
Operating System	Qualcomm	Apq8009 Firmware	-	All	All	All
Operating System	Qualcomm	Apq8009 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	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	Msm8905	-	All	All	All
Hardware  	Qualcomm	Msm8905	-	All	All	All
Operating System	Qualcomm	Msm8905 Firmware	-	All	All	All
Operating System	Qualcomm	Msm8905 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	Msm8917	-	All	All	All
Hardware  	Qualcomm	Msm8917	-	All	All	All
Operating	Qualcomm	Msm8917 Firmware	-	All	All	All

System						
Operating System	Qualcomm	Msm8917 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	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	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	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
Hardware  	Qualcomm	Sdm429w	-	All	All	All
Hardware  	Qualcomm	Sdm429w	-	All	All	All
Operating System	Qualcomm	Sdm429w Firmware	-	All	All	All
Operating System	Qualcomm	Sdm429w Firmware	-	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	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
cpe:2.3:h:qualcomm:apq8009:-:*****:.*:						
cpe:2.3:h:qualcomm:apq8009:-:*****:.*:						
cpe:2.3:o:qualcomm:apq8009_firmware:-:*****:.*:						

```
cpe:2.3:o:qualcomm:apq8009_firmware:-:*:*:*:*:*:*:
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cpe:2.3:h:qualcomm:apq8053:-:*:*:*:*:*:*:
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cpe:2.3:h:qualcomm:apq8053:-:*:*:*:*:*:*:

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cpe:2.3:o:qualcomm:apq8053_firmware:-:*:*:*:*:*:*:
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cpe:2.3:o:qualcomm:apq8053_firmware:-:*:*:*:*:*:*:
```

cpe:2.3:h:qualcomm:apq8098:-:*:*:*:*:*:*:

cpe:2.3:h:qualcomm:apq8098:-:*:*:*:*:*:

```
cpe:2.3:o:qualcomm:apq8098_firmware:-:*:*:*:*:*:*:
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cpe:2.3:o:qualcomm:apq8098_firmware:-:*:*:*:*:*:*:
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cpe:2.3:h:qualcomm:mdm9206:-:*:*:*:*:*:*:

cpe:2.3:h:qualcomm:mdm9206:-:*:*:*:*:*:*:

```
cpe:2.3:o:qualcomm:mdm9206_firmware:-:*:*:*:*:*:*
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cpe:2.3:o:qualcomm:mdm9206_firmware:-:*:*:*:*:*:*
```

cpe:2.3:h:qualcomm:mdm9207c:-:*:*:*:*:*:*:

cpe:2.3:h:qualcomm:mdm9207c:-:*:*:*:*:*:*:

```
cpe:2.3:o:qualcomm:mdm9207c_firmware:-:*:*:*:*:*:
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cpe:2.3:o:qualcomm:mdm9207c_firmware:-:*:*:*:*:*:
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cpe:2.3:h:qualcomm:mdm9607:-:*:*:*:*:*:*:

cpe:2.3:h:qualcomm:mdm9607:-:*:*:*:*:*:

```
cpe:2.3:o:qualcomm:mdm9607_firmware:-:*:*:*:*:*:*:
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cpe:2.3:o:qualcomm:mdm9607_firmware:-:*:*:*:*:*.*
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cpe:2.3:h:qualcomm:mdm9640:-:*:*:*:*:*:
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cpe:2.3:h:qualcomm:mdm9640:-:*:*:*:*:*:*:

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cpe:2.3:o:qualcomm:mdm9640_firmware:-:*:*:*:*:*:*
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cpe:2.3:o:qualcomm:mdm9640_firmware:-:*:*:*:*:*
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cpe:2.3:h:qualcomm:mdm9650:-:*:*:*:*:*:
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cpe:2.3:h:qualcomm:mdm9650:-:*:*:*:*:*:
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cpe:2.3:o:qualcomm:mdm9650_firmware:-:*:*:*:*:*:
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cpe:2.3:o:qualcomm:mdm9650_firmware:-:*:*:*:*:*:
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cpe:2.3:h:qualcomm:msm8905:-:*:*:*:*:*:*:

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cpe:2.3:h:qualcomm:msm8905:-:*:*:*:*:*:*:
```

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cpe:2.3:o:qualcomm:msm8905_firmware:-:*:*:*:*:*:
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cpe:2.3:o:qualcomm:msm8905_firmware:-:*:*:*:*:*:
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cpe:2.3:h:qualcomm:msm8909w:-:*:*:*:*:*:*:

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cpe:2.3:h:qualcomm:msm8909w:-:*:*:*:*:*:*:
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cpe:2.3:o:qualcomm:msm8909w_firmware:-:*:*:*:*:*:
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cpe:2.3:o:qualcomm:msm8909w_firmware:-:*:*:*:*:*:
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cpe:2.3:h:qualcomm:msm8917:-:*:*:*:*:*:*:

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cpe:2.3:h:qualcomm:msm8917:-:*:*:*:*:*:*:
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cpe:2.3:o:qualcomm:msm8917_firmware:-:*:*:*:*:*:
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cpe:2.3:o:qualcomm:msm8917_firmware:-:*:*:*:*:*:
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cpe:2.3:h:qualcomm:msm8953:-:*:*:*:*:*:*:

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

```
cpe:2.3:o:qualcomm:msm8953_firmware:-:*:*:*:*:*:
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cpe:2.3:o:qualcomm:msm8953_firmware:-:*:*:*:*:*:
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cpe:2.3:h:qualcomm:qcs605:-:*:*:*:*:*:*:

cpe:2.3:h:qualcomm:qcs605:-:*:*:*:*:*:*:

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cpe:2.3:o:qualcomm:qcs605_firmware:-:*:*:*:*:*:
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cpe:2.3:o:qualcomm:qcs605_firmware:-:*:*:*:*:*:
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cpe:2.3:h:qualcomm:sda660:-:*:*:*:*:*:*:

cpe:2.3:h:qualcomm:sda660:-:*:*:*:*:*:*:

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cpe:2.3:o:qualcomm:sda660_firmware:-:*:*:*:*:*:*
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cpe:2.3:o:qualcomm:sda660_firmware:-:*:*:*:*:*:
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cpe:2.3:h:qualcomm:sda845:-:*:*:*:*:*:*:

cpe:2.3:h:qualcomm:sda845:-:*:*:*:*:*:*:

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cpe:2.3:o:qualcomm:sda845_firmware:-:*:*:*:*:*:
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cpe:2.3:o:qualcomm:sda845_firmware:-:*:*:*:*:*:
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cpe:2.3:h:qualcomm:sdm429:-:*:*:*:*:*:*:
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cpe:2.3:h:qualcomm:sdm429:-:*:*:*:*:*:*:
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cpe:2.3:h:qualcomm:sdm429w:-:*:*:*:*:*:*:

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cpe:2.3:h:qualcomm:sdm429w:-:*:*:*:*:*:*:
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cpe:2.3:o:qualcomm:sdm429w_firmware:-:*:*:*:*:*:*:
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cpe:2.3:o:qualcomm:sdm429w_firmware:-:*:*:*:*:*:*:
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cpe:2.3:o:qualcomm:sdm429_firmware:-:*:*:*:*:*:
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cpe:2.3:o:qualcomm:sdm429_firmware:-:*:*:*:*:*:
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cpe:2.3:h:qualcomm:sdm439:-:*:*:*:*:*:*:

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cpe:2.3:h:qualcomm:sdm439:-:*:*:*:*:*:*:
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cpe:2.3:o:qualcomm:sdm439_firmware:-:*:*:*:*:*:
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cpe:2.3:o:qualcomm:sdm439_firmware:-:*:*:*:*:*:
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cpe:2.3:h:qualcomm:sdm670:-:*:*:*:*:*:*:
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cpe:2.3:h:qualcomm:sdm670:-:*:*:*:*:*:*:
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```
cpe:2.3:o:qualcomm:sdm670_firmware:-:*:*:*:*:*:
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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:-:*:*:*:*:*:
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cpe:2.3:o:qualcomm:sdm710_firmware:-:*:*:*:*:*:
```

cpe:2.3:h:qualcomm:sdm845:-:*:*:*:*:*:*:

```
cpe:2.3:h:qualcomm:sdm845:-:*:*:*:*:*:*:
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```
cpe:2.3:o:qualcomm:sdm845_firmware:-:*:*:*:*:*:
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cpe:2.3:o:qualcomm:sdm845_firmware:-:*:*:*:*:*:
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cpe:2.3:h:qualcomm:sdx20:-:*:*:*:*:*:*:

cpe:2.3:h:qualcomm:sdx20:-:*:*:*:*:*:*:

```
cpe:2.3:o:qualcomm:sdx20_firmware:-:*:*:*:*:*:
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cpe:2.3:o:qualcomm:sdx20_firmware:-:*:*:*:*:*:
```

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cpe:2.3:h:qualcomm:sdx24:-:*:*:*:*:*:
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cpe:2.3:h:qualcomm:sdx24:-:*:*:*:*:*:
cpe:2.3:o:qualcomm:sdx24_firmware:-:*:*:*:*:*:
cpe:2.3:o:qualcomm:sdx24_firmware:-:*:*:*:*:*:

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