



CVE-2019-10517

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CVE-2019-10517

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

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

Memory is being freed up twice when two concurrent threads are executing in parallel in Snapdragon Auto, Snapdragon Compute, Snapdragon Consumer IOT, Snapdragon Industrial IOT, Snapdragon IoT, Snapdragon Mobile, Snapdragon Voice & Music, Snapdragon Wearables in APQ8009, APQ8017, APQ8053, APQ8096,

APQ8096AU, APQ8098, MDM9206, MDM9207C, MDM9607, MDM9650, MSM8909, MSM8909W, MSM8917, MSM8920, MSM8937, MSM8939, MSM8940, MSM8996AU, QCS405, QCS605, SDA660, SDA845, SDM630, SDM636, SDM660, SDM845, SDX20, SM6150, SM7150, SM8150, SM8250, SXR1130, SXR2130

CVE-2019-10517 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, APQ8017, APQ8053, APQ8096, APQ8096AU, APQ8098, MDM9206, MDM9207C, MDM9607, MDM9650, MSM8909, MSM8909W, MSM8917, MSM8920, MSM8937, MSM8939, MSM8940, MSM8996AU, QCS405, QCS605, SDA660, SDA845, SDM630, SDM636, SDM660, SDM845, SDX20, SM6150, SM7150, SM8150, SM8250, SXR1130, SXR2130

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
December 2019 Security Bulletin Qualcomm	Vendor Advisory www.qualcomm.com text/html	CONFIRM www.qualcomm.com/company/product-security/bulletins/december-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	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	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	Apq8096	-	All	All	All
Hardware 	Qualcomm	Apq8096	-	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
Operating System	Qualcomm	Apq8096 Firmware	-	All	All	All
Operating System	Qualcomm	Apq8096 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	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	Msm8939	-	All	All	All
Hardware  	Qualcomm	Msm8939	-	All	All	All
Operating System	Qualcomm	Msm8939 Firmware	-	All	All	All
Operating System	Qualcomm	Msm8939 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	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	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	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	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	Sdm636	-	All	All	All
Hardware  	Qualcomm	Sdm636	-	All	All	All
Operating System	Qualcomm	Sdm636 Firmware	-	All	All	All

System						
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	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	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
Hardware  	Qualcomm	Sm8250	-	All	All	All

cpe:2.3:o:qualcomm:apq8096au_firmware:-:*****:
cpe:2.3:o:qualcomm:apq8096au_firmware:-:*****:
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cpe:2.3:h:qualcomm:apq8098:-:*****:
cpe:2.3:h:qualcomm:apq8098:-:*****:
cpe:2.3:o:qualcomm:apq8098_firmware:-:*****:
cpe:2.3:o:qualcomm:apq8098_firmware:-:*****:
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:mdm9207c:-:*****:
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cpe:2.3:o:qualcomm:mdm9207c_firmware:-:*****:
cpe:2.3:o:qualcomm:mdm9207c_firmware:-:*****:
cpe:2.3:h:qualcomm:mdm9607:-:*****:
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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:msm8909:-:*****:
cpe:2.3:h:qualcomm:msm8909:-:*****:
cpe:2.3:h:qualcomm:msm8909w:-:*****:
cpe:2.3:h:qualcomm:msm8909w:-:*****:
cpe:2.3:o:qualcomm:msm8909w_firmware:-:*****:

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cpe:2.3:o:qualcomm:msm8937_firmware:-:*:*:*:*:*:*
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cpe:2.3:o:qualcomm:qcs405_firmware:-:*:*:*:*:*:
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cpe:2.3:o:qualcomm:sda660_firmware:-:*:*:*:*:*:
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cpe:2.3:h:qualcomm:sda845:-:*:*:*:*:*:*:
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cpe:2.3:h:qualcomm:sdm630:-:*:*:*:*:*:*:
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cpe:2.3:o:qualcomm:sdm630_firmware:-:*:*:*:*:*:
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cpe:2.3:h:qualcomm:sdm636:-:*:*:*:*:*:*:
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cpe:2.3:o:qualcomm:sdm636_firmware:-:*:*:*:*:*:*:
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cpe:2.3:o:qualcomm:sdm636_firmware:-:*:*:*:*:*:*:
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cpe:2.3:h:qualcomm:sdm660:-:*:*:*:*:*:*:
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cpe:2.3:o:qualcomm:sdm660_firmware:-:*:*:*:*:*:*:
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cpe:2.3:o:qualcomm:sdm660_firmware:-:*:*:*:*:*:*:
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cpe:2.3:h:qualcomm:sdm845:-:*:*:*:*:*:*:
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cpe:2.3:h:qualcomm:sdm845:-:*:*:*:*:*:*:
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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:-:*:*:*:*:*:

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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:sm6150:-:*:*:*:*:*:*:

cpe:2.3:h:qualcomm:sm6150:-:*:*:*:*:*:*:

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cpe:2.3:o:qualcomm:sm6150 firmware:-:*:*:*:*:*:*
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cpe:2.3:o:qualcomm:sm6150 firmware:-:*:*:*:*:*:
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cpe:2.3:h:qualcomm:sm7150:-:*:*:*:*:*:*:

cpe:2.3:h:qualcomm:sm7150:-:*:*:*:*:*:*:

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cpe:2.3:o:qualcomm:sm7150_firmware:-:*:*:*:*:*:*:
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cpe:2.3:o:qualcomm:sm7150 firmware:-:*:*:*:*:*:
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cpe:2.3:h:qualcomm:sm8150:-:*:*:*:*:*:*:

cpe:2.3:h:qualcomm:sm8150:-:*:*:*:*:*:*:

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cpe:2.3:o:qualcomm:sm8150_firmware:-:*:*:*:*:*:*:
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cpe:2.3:o:qualcomm:sm8150_firmware:-:*:*:*:*:*:*:
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cpe:2.3:h:qualcomm:sm8250:-:*:*:*:*:*:*:

cpe:2.3:h:qualcomm:sm8250:-:*:*:*:*:*:*:

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cpe:2.3:o:qualcomm:sm8250_firmware:-:*:*:*:*:*:*:
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cpe:2.3:o:qualcomm:sm8250_firmware:-:*:*:*:*:*:*:
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cpe:2.3:h:qualcomm:sxr1130:-:*:*:*:*:*:*:

cpe:2.3:h:qualcomm:sxr1130:-:*:*:*:*:*:*:

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cpe:2.3:o:qualcomm:sxr1130_firmware:-:*:*:*:*:*:*
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```
cpe:2.3:o:qualcomm:sxr1130 firmware:-:*:*:*:*:*:*
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cpe:2.3:h:qualcomm:sxr2130:-:*:*:*:*:*:*:

cpe:2.3:h:qualcomm:sxr2130:-:*:*:*:*:*:*:

cpe:2.3:o:qualcomm:sxr2130_firmware:-:*****:

cpe:2.3:o:qualcomm:sxr2130_firmware:-:*****:

No vendor comments have been submitted for this CVE

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