



# CVE-2019-10483

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## Summary

<b>CVE</b>	CVE-2019-10483
<b>State</b>	PUBLIC
<b>Assigner</b>	product-security@qualcomm.com
<b>Source Priority</b>	CVE Program / NVD first with legacy fallback
<b>Published</b>	2020-04-16 11:15:00 UTC
<b>Updated</b>	2021-07-21 11:39:00 UTC
<b>Description</b>	Side channel issue in QTEE due to usage of non-time-constant comparison function such as memcmp or strcmp in Snapdr

## Risk And Classification

**Problem Types:** CWE-203

## NVD Known Affected Configurations (CPE 2.3)

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	Apq8016	-	All	All	All
Hardware	Qualcomm	Apq8016	-	All	All	All
Operating System	Qualcomm	Apq8016 Firmware	-	All	All	All
Operating System	Qualcomm	Apq8016 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	Apq8076	-	All	All	All

Hardware	Qualcomm	Apq8076	-	All	All	All
Operating System	Qualcomm	Apq8076 Firmware	-	All	All	All
Operating System	Qualcomm	Apq8076 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	lpq8074	-	All	All	All
Hardware	Qualcomm	lpq8074	-	All	All	All
Operating System	Qualcomm	lpq8074 Firmware	-	All	All	All
Operating System	Qualcomm	lpq8074 Firmware	-	All	All	All
Hardware	Qualcomm	Mdm9150	-	All	All	All
Hardware	Qualcomm	Mdm9150	-	All	All	All
Operating System	Qualcomm	Mdm9150 Firmware	-	All	All	All
Operating System	Qualcomm	Mdm9150 Firmware	-	All	All	All
Hardware	Qualcomm	Mdm9205	-	All	All	All
Hardware	Qualcomm	Mdm9205	-	All	All	All
Operating System	Qualcomm	Mdm9205 Firmware	-	All	All	All
Operating System	Qualcomm	Mdm9205 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	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	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	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	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	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	Msm8996	-	All	All	All
Hardware	Qualcomm	Msm8996	-	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
Operating System	Qualcomm	Msm8996 Firmware	-	All	All	All
Operating System	Qualcomm	Msm8996 Firmware	-	All	All	All
Hardware	Qualcomm	Msm8998	-	All	All	All
Hardware	Qualcomm	Msm8998	-	All	All	All
Operating System	Qualcomm	Msm8998 Firmware	-	All	All	All
Operating System	Qualcomm	Msm8998 Firmware	-	All	All	All
Hardware	Qualcomm	Qca8081	-	All	All	All
Hardware	Qualcomm	Qca8081	-	All	All	All
Operating System	Qualcomm	Qca8081 Firmware	-	All	All	All
Operating System	Qualcomm	Qca8081 Firmware	-	All	All	All
Hardware	Qualcomm	Qcs404	-	All	All	All
Hardware	Qualcomm	Qcs404	-	All	All	All
Operating System	Qualcomm	Qcs404 Firmware	-	All	All	All
Operating System	Qualcomm	Qcs404 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	Qm215	-	All	All	All
Hardware	Qualcomm	Qm215	-	All	All	All
Operating System	Qualcomm	Qm215 Firmware	-	All	All	All
Operating System	Qualcomm	Qm215 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
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	Sdm450	-	All	All	All
Hardware	Qualcomm	Sdm450	-	All	All	All
Operating System	Qualcomm	Sdm450 Firmware	-	All	All	All
Operating System	Qualcomm	Sdm450 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	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	Sdm850	-	All	All	All
Hardware	Qualcomm	Sdm850	-	All	All	All
Operating System	Qualcomm	Sdm850 Firmware	-	All	All	All
Operating System	Qualcomm	Sdm850 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	Sdx55	-	All	All	All
Hardware	Qualcomm	Sdx55	-	All	All	All
Operating System	Qualcomm	Sdx55 Firmware	-	All	All	All
Operating System	Qualcomm	Sdx55 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

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	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
Hardware	Qualcomm	Sxr2130	-	All	All	All
Hardware	Qualcomm	Sxr2130	-	All	All	All
Operating System	Qualcomm	Sxr2130 Firmware	-	All	All	All
Operating System	Qualcomm	Sxr2130 Firmware	-	All	All	All

## References

Reference	Source	Link	Tags
April 2020 Bulletin   Qualcomm	CONFIRM	<a href="http://www.qualcomm.com">www.qualcomm.com</a>	Vendor Advisory
CVE Program record	CVE.ORG	<a href="http://www.cve.org">www.cve.org</a>	canonical
NVD vulnerability detail	NVD	<a href="http://nvd.nist.gov">nvd.nist.gov</a>	canonical, analysis

No vendor comments have been submitted for this CVE.

There are currently no legacy QID mappings associated with this CVE.

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