



# CVE-2022-40533

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## Summary

<b>CVE</b>	CVE-2022-40533
<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>	2023-06-06 08:15:00 UTC
<b>Updated</b>	2023-06-10 02:08:00 UTC
<b>Description</b>	Transient DOS due to untrusted Pointer Dereference in core while sending USB QMI request.

## Risk And Classification

**Problem Types:** CWE-119

## NVD Known Affected Configurations (CPE 2.3)

Type	Vendor	Product	Version	Update	Edition	Language
Hardware	<a href="#">Qualcomm</a>	<a href="#">Csra6620</a>	-	All	All	All
Operating System	<a href="#">Qualcomm</a>	<a href="#">Csra6620 Firmware</a>	-	All	All	All
Hardware	<a href="#">Qualcomm</a>	<a href="#">Csra6640</a>	-	All	All	All
Operating System	<a href="#">Qualcomm</a>	<a href="#">Csra6640 Firmware</a>	-	All	All	All
Hardware	<a href="#">Qualcomm</a>	<a href="#">Flight Rb5 5g Platform</a>	-	All	All	All
Operating System	<a href="#">Qualcomm</a>	<a href="#">Flight Rb5 5g Platform Firmware</a>	-	All	All	All
Hardware	<a href="#">Qualcomm</a>	<a href="#">Qam8255p</a>	-	All	All	All
Operating System	<a href="#">Qualcomm</a>	<a href="#">Qam8255p Firmware</a>	-	All	All	All
Hardware	<a href="#">Qualcomm</a>	<a href="#">Qam8295p</a>	-	All	All	All
Operating System	<a href="#">Qualcomm</a>	<a href="#">Qam8295p Firmware</a>	-	All	All	All
Hardware	<a href="#">Qualcomm</a>	<a href="#">Qam8650p</a>	-	All	All	All
Operating System	<a href="#">Qualcomm</a>	<a href="#">Qam8650p Firmware</a>	-	All	All	All
Hardware	<a href="#">Qualcomm</a>	<a href="#">Qam8775p</a>	-	All	All	All
Operating System	<a href="#">Qualcomm</a>	<a href="#">Qam8775p Firmware</a>	-	All	All	All
Hardware	<a href="#">Qualcomm</a>	<a href="#">Qca6390</a>	-	All	All	All
Operating System	<a href="#">Qualcomm</a>	<a href="#">Qca6390 Firmware</a>	-	All	All	All
Hardware	<a href="#">Qualcomm</a>	<a href="#">Qca6391</a>	-	All	All	All

Operating System	Qualcomm	Qca6391 Firmware	-	All	All	All
Hardware	Qualcomm	Qca6421	-	All	All	All
Operating System	Qualcomm	Qca6421 Firmware	-	All	All	All
Hardware	Qualcomm	Qca6426	-	All	All	All
Operating System	Qualcomm	Qca6426 Firmware	-	All	All	All
Hardware	Qualcomm	Qca6431	-	All	All	All
Operating System	Qualcomm	Qca6431 Firmware	-	All	All	All
Hardware	Qualcomm	Qca6436	-	All	All	All
Operating System	Qualcomm	Qca6436 Firmware	-	All	All	All
Hardware	Qualcomm	Qca6574au	-	All	All	All
Operating System	Qualcomm	Qca6574au Firmware	-	All	All	All
Hardware	Qualcomm	Qca6595	-	All	All	All
Hardware	Qualcomm	Qca6595au	-	All	All	All
Operating System	Qualcomm	Qca6595au Firmware	-	All	All	All
Operating System	Qualcomm	Qca6595 Firmware	-	All	All	All
Hardware	Qualcomm	Qca6696	-	All	All	All
Operating System	Qualcomm	Qca6696 Firmware	-	All	All	All
Hardware	Qualcomm	Qca6698aq	-	All	All	All
Operating System	Qualcomm	Qca6698aq Firmware	-	All	All	All
Hardware	Qualcomm	Qca6797aq	-	All	All	All
Operating System	Qualcomm	Qca6797aq Firmware	-	All	All	All
Hardware	Qualcomm	Qcm2290	-	All	All	All
Operating System	Qualcomm	Qcm2290 Firmware	-	All	All	All
Hardware	Qualcomm	Qcm4290	-	All	All	All
Operating System	Qualcomm	Qcm4290 Firmware	-	All	All	All
Hardware	Qualcomm	Qcm4325	-	All	All	All
Operating System	Qualcomm	Qcm4325 Firmware	-	All	All	All
Hardware	Qualcomm	Qcm4490	-	All	All	All
Operating System	Qualcomm	Qcm4490 Firmware	-	All	All	All
Hardware	Qualcomm	Qcm6490	-	All	All	All
Operating System	Qualcomm	Qcm6490 Firmware	-	All	All	All
Hardware	Qualcomm	Qcn9011	-	All	All	All
Operating System	Qualcomm	Qcn9011 Firmware	-	All	All	All
Hardware	Qualcomm	Qcn9012	-	All	All	All
Operating System	Qualcomm	Qcn9012 Firmware	-	All	All	All
Hardware	Qualcomm	Qca6391	-	All	All	All

Hardware	Qualcomm	Qcs2290	-	All	All	All
Operating System	Qualcomm	Qcs2290 Firmware	-	All	All	All
Hardware	Qualcomm	Qcs4290	-	All	All	All
Operating System	Qualcomm	Qcs4290 Firmware	-	All	All	All
Hardware	Qualcomm	Qcs4490	-	All	All	All
Operating System	Qualcomm	Qcs4490 Firmware	-	All	All	All
Hardware	Qualcomm	Qcs6490	-	All	All	All
Operating System	Qualcomm	Qcs6490 Firmware	-	All	All	All
Hardware	Qualcomm	Qcs8250	-	All	All	All
Operating System	Qualcomm	Qcs8250 Firmware	-	All	All	All
Hardware	Qualcomm	Qcs8550	-	All	All	All
Operating System	Qualcomm	Qcs8550 Firmware	-	All	All	All
Hardware	Qualcomm	Qrb5165	-	All	All	All
Hardware	Qualcomm	Qrb5165m	-	All	All	All
Operating System	Qualcomm	Qrb5165m Firmware	-	All	All	All
Hardware	Qualcomm	Qrb5165n	-	All	All	All
Operating System	Qualcomm	Qrb5165n Firmware	-	All	All	All
Operating System	Qualcomm	Qrb5165 Firmware	-	All	All	All
Hardware	Qualcomm	Qsm8250	-	All	All	All
Operating System	Qualcomm	Qsm8250 Firmware	-	All	All	All
Hardware	Qualcomm	Qsm8350	-	All	All	All
Operating System	Qualcomm	Qsm8350 Firmware	-	All	All	All
Hardware	Qualcomm	Sa8255p	-	All	All	All
Operating System	Qualcomm	Sa8255p Firmware	-	All	All	All
Hardware	Qualcomm	Sa8295p	-	All	All	All
Operating System	Qualcomm	Sa8295p Firmware	-	All	All	All
Hardware	Qualcomm	Sa8540p	-	All	All	All
Operating System	Qualcomm	Sa8540p Firmware	-	All	All	All
Hardware	Qualcomm	Sa9000p	-	All	All	All
Operating System	Qualcomm	Sa9000p Firmware	-	All	All	All
Hardware	Qualcomm	Sc8280xp-ab	-	All	All	All
Operating System	Qualcomm	Sc8280xp-ab Firmware	-	All	All	All
Hardware	Qualcomm	Sc8280xp-bb	-	All	All	All
Operating System	Qualcomm	Sc8280xp-bb Firmware	-	All	All	All
Hardware	Qualcomm	Sd460	-	All	All	All
Operating System	Qualcomm	Sd460 Firmware	-	All	All	All

Hardware	Qualcomm	Sd662	-	All	All	All
Operating System	Qualcomm	Sd662 Firmware	-	All	All	All
Hardware	Qualcomm	Sd865 5g	-	All	All	All
Operating System	Qualcomm	Sd865 5g Firmware	-	All	All	All
Hardware	Qualcomm	Sd888	-	All	All	All
Operating System	Qualcomm	Sd888 Firmware	-	All	All	All
Hardware	Qualcomm	Sdx55	-	All	All	All
Operating System	Qualcomm	Sdx55 Firmware	-	All	All	All
Hardware	Qualcomm	Sd 8 Gen1 5g	-	All	All	All
Operating System	Qualcomm	Sd 8 Gen1 5g Firmware	-	All	All	All
Hardware	Qualcomm	Sg4150p	-	All	All	All
Operating System	Qualcomm	Sg4150p Firmware	-	All	All	All
Hardware	Qualcomm	Sm4125	-	All	All	All
Operating System	Qualcomm	Sm4125 Firmware	-	All	All	All
Hardware	Qualcomm	Sm4250-aa	-	All	All	All
Operating System	Qualcomm	Sm4250-aa Firmware	-	All	All	All
Hardware	Qualcomm	Sm4450	-	All	All	All
Operating System	Qualcomm	Sm4450 Firmware	-	All	All	All
Hardware	Qualcomm	Sm6225	-	All	All	All
Hardware	Qualcomm	Sm6225-ad	-	All	All	All
Operating System	Qualcomm	Sm6225-ad Firmware	-	All	All	All
Operating System	Qualcomm	Sm6225 Firmware	-	All	All	All
Hardware	Qualcomm	Sm6250	-	All	All	All
Hardware	Qualcomm	Sm6250p	-	All	All	All
Operating System	Qualcomm	Sm6250p Firmware	-	All	All	All
Operating System	Qualcomm	Sm6250 Firmware	-	All	All	All
Hardware	Qualcomm	Sm6350	-	All	All	All
Operating System	Qualcomm	Sm6350 Firmware	-	All	All	All
Hardware	Qualcomm	Sm7125	-	All	All	All
Operating System	Qualcomm	Sm7125 Firmware	-	All	All	All
Hardware	Qualcomm	Sm7225	-	All	All	All
Operating System	Qualcomm	Sm7225 Firmware	-	All	All	All
Hardware	Qualcomm	Sm7250-aa	-	All	All	All
Operating System	Qualcomm	Sm7250-aa Firmware	-	All	All	All
Hardware	Qualcomm	Sm7250-ab	-	All	All	All

Operating System	Qualcomm	Sm7250-ab Firmware	-	All	All	All
Hardware	Qualcomm	Sm7250-ac	-	All	All	All
Operating System	Qualcomm	Sm7250-ac Firmware	-	All	All	All
Hardware	Qualcomm	Sm7250p	-	All	All	All
Operating System	Qualcomm	Sm7250p Firmware	-	All	All	All
Hardware	Qualcomm	Sm7315	-	All	All	All
Operating System	Qualcomm	Sm7315 Firmware	-	All	All	All
Hardware	Qualcomm	Sm7325	-	All	All	All
Hardware	Qualcomm	Sm7325-ae	-	All	All	All
Operating System	Qualcomm	Sm7325-ae Firmware	-	All	All	All
Hardware	Qualcomm	Sm7325-af	-	All	All	All
Operating System	Qualcomm	Sm7325-af Firmware	-	All	All	All
Hardware	Qualcomm	Sm7325p	-	All	All	All
Operating System	Qualcomm	Sm7325p Firmware	-	All	All	All
Operating System	Qualcomm	Sm7325 Firmware	-	All	All	All
Hardware	Qualcomm	Sm7350-ab	-	All	All	All
Operating System	Qualcomm	Sm7350-ab Firmware	-	All	All	All
Hardware	Qualcomm	Sm8250	-	All	All	All
Hardware	Qualcomm	Sm8250-ab	-	All	All	All
Operating System	Qualcomm	Sm8250-ab Firmware	-	All	All	All
Hardware	Qualcomm	Sm8250-ac	-	All	All	All
Operating System	Qualcomm	Sm8250-ac Firmware	-	All	All	All
Operating System	Qualcomm	Sm8250 Firmware	-	All	All	All
Hardware	Qualcomm	Sm8350	-	All	All	All
Hardware	Qualcomm	Sm8350-ac	-	All	All	All
Operating System	Qualcomm	Sm8350-ac Firmware	-	All	All	All
Operating System	Qualcomm	Sm8350 Firmware	-	All	All	All
Hardware	Qualcomm	Sm8450	-	All	All	All
Operating System	Qualcomm	Sm8450 Firmware	-	All	All	All
Hardware	Qualcomm	Sm8475	-	All	All	All
Operating System	Qualcomm	Sm8475 Firmware	-	All	All	All
Hardware	Qualcomm	Smart Audio 400 Platform	-	All	All	All
Operating System	Qualcomm	Smart Audio 400 Platform Firmware	-	All	All	All
Hardware	Qualcomm	Snapdragon 662 Mobile Platform	-	All	All	All
Operating System	Qualcomm	Snapdragon 662 Mobile Platform Firmware	-	All	All	All
Hardware	Qualcomm	Snapdragon 7c Gen 3 Compute	-	All	All	All

Hardware	Qualcomm	Snapdragon 7c Gen 3 Compute	-	All	All	All
Operating System	Qualcomm	Snapdragon 7c Gen 3 Compute Firmware	-	All	All	All
Hardware	Qualcomm	Snapdragon Ar2 Gen 1 Platform	-	All	All	All
Operating System	Qualcomm	Snapdragon Ar2 Gen 1 Platform Firmware	-	All	All	All
Hardware	Qualcomm	Snapdragon X55 5g Modem-rf System	-	All	All	All
Operating System	Qualcomm	Snapdragon X55 5g Modem-rf System Firmware	-	All	All	All
Hardware	Qualcomm	Snapdragon Xr2 Gen 1 Platform	-	All	All	All
Operating System	Qualcomm	Snapdragon Xr2 Gen 1 Platform Firmware	-	All	All	All
Hardware	Qualcomm	Snapdragon Xr2 5g Platform	-	All	All	All
Operating System	Qualcomm	Snapdragon Xr2 5g Platform Firmware	-	All	All	All
Hardware	Qualcomm	Ssg2115p	-	All	All	All
Operating System	Qualcomm	Ssg2115p Firmware	-	All	All	All
Hardware	Qualcomm	Ssg2125p	-	All	All	All
Operating System	Qualcomm	Ssg2125p Firmware	-	All	All	All
Hardware	Qualcomm	Sxr1230p	-	All	All	All
Operating System	Qualcomm	Sxr1230p Firmware	-	All	All	All
Hardware	Qualcomm	Sxr2130	-	All	All	All
Operating System	Qualcomm	Sxr2130 Firmware	-	All	All	All
Hardware	Qualcomm	Sxr2230p	-	All	All	All
Operating System	Qualcomm	Sxr2230p Firmware	-	All	All	All
Hardware	Qualcomm	Wcd9335	-	All	All	All
Operating System	Qualcomm	Wcd9335 Firmware	-	All	All	All
Hardware	Qualcomm	Wcd9370	-	All	All	All
Operating System	Qualcomm	Wcd9370 Firmware	-	All	All	All
Hardware	Qualcomm	Wcd9375	-	All	All	All
Operating System	Qualcomm	Wcd9375 Firmware	-	All	All	All
Hardware	Qualcomm	Wcd9380	-	All	All	All
Operating System	Qualcomm	Wcd9380 Firmware	-	All	All	All
Hardware	Qualcomm	Wcd9385	-	All	All	All
Operating System	Qualcomm	Wcd9385 Firmware	-	All	All	All
Hardware	Qualcomm	Wcn3910	-	All	All	All
Operating System	Qualcomm	Wcn3910 Firmware	-	All	All	All
Hardware	Qualcomm	Wcn3950	-	All	All	All
Operating System	Qualcomm	Wcn3950 Firmware	-	All	All	All
Hardware	Qualcomm	Wcn3988	-	All	All	All
Operating System	Qualcomm	Wcn3988 Firmware	-	All	All	All

Hardware	Qualcomm	Wcn3991	-	All	All	All
Operating System	Qualcomm	Wcn3991 Firmware	-	All	All	All
Hardware	Qualcomm	Wcn3998	-	All	All	All
Operating System	Qualcomm	Wcn3998 Firmware	-	All	All	All
Hardware	Qualcomm	Wcn6740	-	All	All	All
Operating System	Qualcomm	Wcn6740 Firmware	-	All	All	All
Hardware	Qualcomm	Wcn6750	-	All	All	All
Operating System	Qualcomm	Wcn6750 Firmware	-	All	All	All
Hardware	Qualcomm	Wcn685x-1	-	All	All	All
Operating System	Qualcomm	Wcn685x-1 Firmware	-	All	All	All
Hardware	Qualcomm	Wcn685x-5	-	All	All	All
Operating System	Qualcomm	Wcn685x-5 Firmware	-	All	All	All
Hardware	Qualcomm	Wcn785x-1	-	All	All	All
Operating System	Qualcomm	Wcn785x-1 Firmware	-	All	All	All
Hardware	Qualcomm	Wcn785x-5	-	All	All	All
Operating System	Qualcomm	Wcn785x-5 Firmware	-	All	All	All
Hardware	Qualcomm	Wsa8810	-	All	All	All
Operating System	Qualcomm	Wsa8810 Firmware	-	All	All	All
Hardware	Qualcomm	Wsa8815	-	All	All	All
Operating System	Qualcomm	Wsa8815 Firmware	-	All	All	All
Hardware	Qualcomm	Wsa8830	-	All	All	All
Operating System	Qualcomm	Wsa8830 Firmware	-	All	All	All
Hardware	Qualcomm	Wsa8832	-	All	All	All
Operating System	Qualcomm	Wsa8832 Firmware	-	All	All	All
Hardware	Qualcomm	Wsa8835	-	All	All	All
Operating System	Qualcomm	Wsa8835 Firmware	-	All	All	All

## References

Reference	Source	Link	Tags
Qualcomm Documentation	MISC	<a href="http://www.qualcomm.com">www.qualcomm.com</a>	
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.

## Legacy QID Mappings

[610494](#) Google Android July 2023 Security Patch Missing for Samsung

[610503](#) Google Android Devices June 2023 Security Patch Missing

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