



CVE-2020-11284

[MITRE](#)[NVD](#)[CVE.ORG](#)[Print: PDF](#)

Summary

CVE	CVE-2020-11284
State	PUBLIC
Assigner	product-security@qualcomm.com
Source Priority	CVE Program / NVD first with legacy fallback
Published	2021-05-07 09:15:00 UTC
Updated	2022-06-28 14:11:00 UTC
Description	Locked memory can be unlocked and modified by non secure boot loader through improper system call sequence making t

Risk And Classification

Problem Types: CWE-667

NVD Known Affected Configurations (CPE 2.3)

Type	Vendor	Product	Version	Update	Edition	Language
Hardware	Qualcomm	Aqt1000	-	All	All	All
Operating System	Qualcomm	Aqt1000 Firmware	-	All	All	All
Hardware	Qualcomm	Ar8035	-	All	All	All
Operating System	Qualcomm	Ar8035 Firmware	-	All	All	All
Hardware	Qualcomm	Pm3003a	-	All	All	All
Operating System	Qualcomm	Pm3003a Firmware	-	All	All	All
Hardware	Qualcomm	Pm4125	-	All	All	All
Operating System	Qualcomm	Pm4125 Firmware	-	All	All	All
Hardware	Qualcomm	Pm4250	-	All	All	All
Operating System	Qualcomm	Pm4250 Firmware	-	All	All	All
Hardware	Qualcomm	Pm6125	-	All	All	All
Operating System	Qualcomm	Pm6125 Firmware	-	All	All	All
Hardware	Qualcomm	Pm6150	-	All	All	All
Hardware	Qualcomm	Pm6150a	-	All	All	All
Operating System	Qualcomm	Pm6150a Firmware	-	All	All	All
Hardware	Qualcomm	Pm6150l	-	All	All	All
Operating System	Qualcomm	Pm6150l Firmware	-	All	All	All

Operating System	Qualcomm	Pm6150 Firmware	-	All	All	All
Hardware	Qualcomm	Pm6350	-	All	All	All
Operating System	Qualcomm	Pm6350 Firmware	-	All	All	All
Hardware	Qualcomm	Pm640a	-	All	All	All
Operating System	Qualcomm	Pm640a Firmware	-	All	All	All
Hardware	Qualcomm	Pm640l	-	All	All	All
Operating System	Qualcomm	Pm640l Firmware	-	All	All	All
Hardware	Qualcomm	Pm640p	-	All	All	All
Operating System	Qualcomm	Pm640p Firmware	-	All	All	All
Hardware	Qualcomm	Pm7250b	-	All	All	All
Operating System	Qualcomm	Pm7250b Firmware	-	All	All	All
Hardware	Qualcomm	Pm8004	-	All	All	All
Operating System	Qualcomm	Pm8004 Firmware	-	All	All	All
Hardware	Qualcomm	Pm8005	-	All	All	All
Operating System	Qualcomm	Pm8005 Firmware	-	All	All	All
Hardware	Qualcomm	Pm8008	-	All	All	All
Operating System	Qualcomm	Pm8008 Firmware	-	All	All	All
Hardware	Qualcomm	Pm8009	-	All	All	All
Operating System	Qualcomm	Pm8009 Firmware	-	All	All	All
Hardware	Qualcomm	Pm8150a	-	All	All	All
Operating System	Qualcomm	Pm8150a Firmware	-	All	All	All
Hardware	Qualcomm	Pm8150b	-	All	All	All
Operating System	Qualcomm	Pm8150b Firmware	-	All	All	All
Hardware	Qualcomm	Pm8150c	-	All	All	All
Operating System	Qualcomm	Pm8150c Firmware	-	All	All	All
Hardware	Qualcomm	Pm8150l	-	All	All	All
Operating System	Qualcomm	Pm8150l Firmware	-	All	All	All
Hardware	Qualcomm	Pm8250	-	All	All	All
Operating System	Qualcomm	Pm8250 Firmware	-	All	All	All
Hardware	Qualcomm	Pm8350	-	All	All	All
Operating System	Qualcomm	Pm8350 Firmware	-	All	All	All
Hardware	Qualcomm	Pm855	-	All	All	All
Hardware	Qualcomm	Pm855b	-	All	All	All
Operating System	Qualcomm	Pm855b Firmware	-	All	All	All
Hardware	Qualcomm	Pm855l	-	All	All	All

Operating System	Qualcomm	Pm855l Firmware	-	All	All	All
Hardware	Qualcomm	Pm855p	-	All	All	All
Operating System	Qualcomm	Pm855p Firmware	-	All	All	All
Operating System	Qualcomm	Pm855 Firmware	-	All	All	All
Hardware	Qualcomm	Pm8998	-	All	All	All
Operating System	Qualcomm	Pm8998 Firmware	-	All	All	All
Hardware	Qualcomm	Pmd9655	-	All	All	All
Operating System	Qualcomm	Pmd9655 Firmware	-	All	All	All
Hardware	Qualcomm	Pmi632	-	All	All	All
Operating System	Qualcomm	Pmi632 Firmware	-	All	All	All
Hardware	Qualcomm	Pmi8998	-	All	All	All
Operating System	Qualcomm	Pmi8998 Firmware	-	All	All	All
Hardware	Qualcomm	Pmk8002	-	All	All	All
Operating System	Qualcomm	Pmk8002 Firmware	-	All	All	All
Hardware	Qualcomm	Pmk8003	-	All	All	All
Operating System	Qualcomm	Pmk8003 Firmware	-	All	All	All
Hardware	Qualcomm	Pmm8195au	-	All	All	All
Operating System	Qualcomm	Pmm8195au Firmware	-	All	All	All
Hardware	Qualcomm	Pmm855au	-	All	All	All
Operating System	Qualcomm	Pmm855au Firmware	-	All	All	All
Hardware	Qualcomm	Pmr525	-	All	All	All
Operating System	Qualcomm	Pmr525 Firmware	-	All	All	All
Hardware	Qualcomm	Pmx24	-	All	All	All
Operating System	Qualcomm	Pmx24 Firmware	-	All	All	All
Hardware	Qualcomm	Pmx55	-	All	All	All
Operating System	Qualcomm	Pmx55 Firmware	-	All	All	All
Hardware	Qualcomm	Qat3522	-	All	All	All
Operating System	Qualcomm	Qat3522 Firmware	-	All	All	All
Hardware	Qualcomm	Qat3550	-	All	All	All
Operating System	Qualcomm	Qat3550 Firmware	-	All	All	All
Hardware	Qualcomm	Qbt1500	-	All	All	All
Operating System	Qualcomm	Qbt1500 Firmware	-	All	All	All
Hardware	Qualcomm	Qbt2000	-	All	All	All
Operating System	Qualcomm	Qbt2000 Firmware	-	All	All	All
Hardware	Qualcomm	Qca6390	-	All	All	All

Operating System	Qualcomm	Qca6390 Firmware	-	All	All	All
Hardware	Qualcomm	Qca6391	-	All	All	All
Operating System	Qualcomm	Qca6391 Firmware	-	All	All	All
Hardware	Qualcomm	Qca6420	-	All	All	All
Operating System	Qualcomm	Qca6420 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	Qca6430	-	All	All	All
Operating System	Qualcomm	Qca6430 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
Operating System	Qualcomm	Qca6595 Firmware	-	All	All	All
Hardware	Qualcomm	Qca9984	-	All	All	All
Operating System	Qualcomm	Qca9984 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	Qcs2290	-	All	All	All
Operating System	Qualcomm	Qcs2290 Firmware	-	All	All	All
Hardware	Qualcomm	Qcs405	-	All	All	All
Operating System	Qualcomm	Qcs405 Firmware	-	All	All	All
Hardware	Qualcomm	Qcs4290	-	All	All	All
Operating System	Qualcomm	Qcs4290 Firmware	-	All	All	All
Hardware	Qualcomm	Qet4101	-	All	All	All
Operating System	Qualcomm	Qet4101 Firmware	-	All	All	All
Hardware	Qualcomm	Qet5100	-	All	All	All
Operating System	Qualcomm	Qet5100 Firmware	-	All	All	All
Hardware	Qualcomm	Qet6100	-	All	All	All

Operating System	Qualcomm	Qet6100 Firmware	-	All	All	All
Hardware	Qualcomm	Qet6105	-	All	All	All
Operating System	Qualcomm	Qet6105 Firmware	-	All	All	All
Hardware	Qualcomm	Qfs2530	-	All	All	All
Operating System	Qualcomm	Qfs2530 Firmware	-	All	All	All
Hardware	Qualcomm	Qfs2580	-	All	All	All
Operating System	Qualcomm	Qfs2580 Firmware	-	All	All	All
Hardware	Qualcomm	Qpa4360	-	All	All	All
Operating System	Qualcomm	Qpa4360 Firmware	-	All	All	All
Hardware	Qualcomm	Qpa5460	-	All	All	All
Operating System	Qualcomm	Qpa5460 Firmware	-	All	All	All
Hardware	Qualcomm	Qpa6560	-	All	All	All
Operating System	Qualcomm	Qpa6560 Firmware	-	All	All	All
Hardware	Qualcomm	Qsw8574	-	All	All	All
Operating System	Qualcomm	Qsw8574 Firmware	-	All	All	All
Hardware	Qualcomm	Qtc410s	-	All	All	All
Operating System	Qualcomm	Qtc410s Firmware	-	All	All	All
Hardware	Qualcomm	Qtc800h	-	All	All	All
Operating System	Qualcomm	Qtc800h Firmware	-	All	All	All
Hardware	Qualcomm	Qtc800s	-	All	All	All
Operating System	Qualcomm	Qtc800s Firmware	-	All	All	All
Hardware	Qualcomm	Qtc801s	-	All	All	All
Operating System	Qualcomm	Qtc801s Firmware	-	All	All	All
Hardware	Qualcomm	Qtm525	-	All	All	All
Operating System	Qualcomm	Qtm525 Firmware	-	All	All	All
Hardware	Qualcomm	Sa6155p	-	All	All	All
Operating System	Qualcomm	Sa6155p Firmware	-	All	All	All
Hardware	Qualcomm	Sa8195p	-	All	All	All
Operating System	Qualcomm	Sa8195p Firmware	-	All	All	All
Hardware	Qualcomm	Sd460	-	All	All	All
Operating System	Qualcomm	Sd460 Firmware	-	All	All	All
Hardware	Qualcomm	Sd480	-	All	All	All
Operating System	Qualcomm	Sd480 Firmware	-	All	All	All
Hardware	Qualcomm	Sd662	-	All	All	All
Operating System	Qualcomm	Sd662 Firmware	-	All	All	All

Hardware	Qualcomm	Sd675	-	All	All	All
Operating System	Qualcomm	Sd675 Firmware	-	All	All	All
Hardware	Qualcomm	Sd855	-	All	All	All
Operating System	Qualcomm	Sd855 Firmware	-	All	All	All
Hardware	Qualcomm	Sd8655g	-	All	All	All
Operating System	Qualcomm	Sd8655g Firmware	-	All	All	All
Hardware	Qualcomm	Sd870	-	All	All	All
Operating System	Qualcomm	Sd870 Firmware	-	All	All	All
Hardware	Qualcomm	Sd8885g	-	All	All	All
Operating System	Qualcomm	Sd8885g Firmware	-	All	All	All
Hardware	Qualcomm	Sd8c	-	All	All	All
Hardware	Qualcomm	Sd8cx	-	All	All	All
Operating System	Qualcomm	Sd8cx Firmware	-	All	All	All
Operating System	Qualcomm	Sd8c Firmware	-	All	All	All
Hardware	Qualcomm	Sdm830	-	All	All	All
Operating System	Qualcomm	Sdm830 Firmware	-	All	All	All
Hardware	Qualcomm	Sdr425	-	All	All	All
Operating System	Qualcomm	Sdr425 Firmware	-	All	All	All
Hardware	Qualcomm	Sdr660	-	All	All	All
Hardware	Qualcomm	Sdr660g	-	All	All	All
Operating System	Qualcomm	Sdr660g Firmware	-	All	All	All
Operating System	Qualcomm	Sdr660 Firmware	-	All	All	All
Hardware	Qualcomm	Sdr735	-	All	All	All
Hardware	Qualcomm	Sdr735g	-	All	All	All
Operating System	Qualcomm	Sdr735g Firmware	-	All	All	All
Operating System	Qualcomm	Sdr735 Firmware	-	All	All	All
Hardware	Qualcomm	Sdr8150	-	All	All	All
Operating System	Qualcomm	Sdr8150 Firmware	-	All	All	All
Hardware	Qualcomm	Sdr8250	-	All	All	All
Operating System	Qualcomm	Sdr8250 Firmware	-	All	All	All
Hardware	Qualcomm	Sdr865	-	All	All	All
Operating System	Qualcomm	Sdr865 Firmware	-	All	All	All
Hardware	Qualcomm	Sdx24	-	All	All	All
Operating System	Qualcomm	Sdx24 Firmware	-	All	All	All
Hardware	Qualcomm	Sdx55	-	All	All	All
Hardware	Qualcomm	Sdx55	-	All	All	All

Hardware	Qualcomm	Sdx55m	-	All	All	All
Operating System	Qualcomm	Sdx55m Firmware	-	All	All	All
Operating System	Qualcomm	Sdx55 Firmware	-	All	All	All
Hardware	Qualcomm	Sdxr25g	-	All	All	All
Operating System	Qualcomm	Sdxr25g Firmware	-	All	All	All
Hardware	Qualcomm	Sm4125	-	All	All	All
Operating System	Qualcomm	Sm4125 Firmware	-	All	All	All
Hardware	Qualcomm	Smb1351	-	All	All	All
Operating System	Qualcomm	Smb1351 Firmware	-	All	All	All
Hardware	Qualcomm	Smb1354	-	All	All	All
Operating System	Qualcomm	Smb1354 Firmware	-	All	All	All
Hardware	Qualcomm	Smb1355	-	All	All	All
Operating System	Qualcomm	Smb1355 Firmware	-	All	All	All
Hardware	Qualcomm	Smb1390	-	All	All	All
Operating System	Qualcomm	Smb1390 Firmware	-	All	All	All
Hardware	Qualcomm	Smb1396	-	All	All	All
Operating System	Qualcomm	Smb1396 Firmware	-	All	All	All
Hardware	Qualcomm	Smr525	-	All	All	All
Operating System	Qualcomm	Smr525 Firmware	-	All	All	All
Hardware	Qualcomm	Smr526	-	All	All	All
Operating System	Qualcomm	Smr526 Firmware	-	All	All	All
Hardware	Qualcomm	Smr545	-	All	All	All
Operating System	Qualcomm	Smr545 Firmware	-	All	All	All
Hardware	Qualcomm	Smr546	-	All	All	All
Operating System	Qualcomm	Smr546 Firmware	-	All	All	All
Hardware	Qualcomm	Wcd9340	-	All	All	All
Operating System	Qualcomm	Wcd9340 Firmware	-	All	All	All
Hardware	Qualcomm	Wcd9341	-	All	All	All
Operating System	Qualcomm	Wcd9341 Firmware	-	All	All	All
Hardware	Qualcomm	Wcd9360	-	All	All	All
Operating System	Qualcomm	Wcd9360 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	Wcn3980	-	All	All	All
Operating System	Qualcomm	Wcn3980 Firmware	-	All	All	All
Hardware	Qualcomm	Wcn3988	-	All	All	All
Operating System	Qualcomm	Wcn3988 Firmware	-	All	All	All
Hardware	Qualcomm	Wcn3990	-	All	All	All
Operating System	Qualcomm	Wcn3990 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	Wcn3999	-	All	All	All
Operating System	Qualcomm	Wcn3999 Firmware	-	All	All	All
Hardware	Qualcomm	Wgr7640	-	All	All	All
Operating System	Qualcomm	Wgr7640 Firmware	-	All	All	All
Hardware	Qualcomm	Whs9410	-	All	All	All
Operating System	Qualcomm	Whs9410 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	Wtr2965	-	All	All	All
Operating System	Qualcomm	Wtr2965 Firmware	-	All	All	All
Hardware	Qualcomm	Wtr3925	-	All	All	All
Operating System	Qualcomm	Wtr3925 Firmware	-	All	All	All
Hardware	Qualcomm	Wtr5975	-	All	All	All
Operating System	Qualcomm	Wtr5975 Firmware	-	All	All	All

References

Reference	Source	Link	Tags
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Reference	Source	Link	Tags
May 2021 Security Bulletin Qualcomm	CONFIRM	www.qualcomm.com	
CVE Program record	CVE.ORG	www.cve.org	canonical
NVD vulnerability detail	NVD	nvd.nist.gov	canonical, analysis

No vendor comments have been submitted for this CVE.

Legacy QID Mappings

[610338](#) Google Android Devices May 2021 Security Patch Missing

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