



CVE-2020-11228

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

Summary

| | |
|------------------------|--|
| CVE | CVE-2020-11228 |
| State | PUBLIC |
| Assigner | product-security@qualcomm.com |
| Source Priority | CVE Program / NVD first with legacy fallback |
| Published | 2021-03-17 06:15:00 UTC |
| Updated | 2021-07-21 11:39:00 UTC |
| Description | Part of RPM region was not protected from xblSec itself due to improper policy and leads to unprivileged access in Snapdra |

Risk And Classification

Problem Types: NVD-CWE-noinfo

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 | 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 |

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|------------------|----------|------------------|---|-----|-----|-----|
| 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 | Pm8350 | - | All | All | All |
| Operating System | Qualcomm | Pm8350 Firmware | - | All | All | All |
| Hardware | Qualcomm | Pm855 | - | All | All | All |
| Hardware | Qualcomm | Pm855a | - | All | All | All |
| Operating System | Qualcomm | Pm855a Firmware | - | 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 |

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|------------------|----------|--------------------|---|-----|-----|-----|
| 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 | Pmx24 | - | All | All | All |
| Operating System | Qualcomm | Pmx24 Firmware | - | All | All | All |
| Hardware | Qualcomm | Pmx50 | - | All | All | All |
| Operating System | Qualcomm | Pmx50 Firmware | - | All | All | All |
| Hardware | Qualcomm | Pmx55 | - | All | All | All |
| Operating System | Qualcomm | Pmx55 Firmware | - | All | All | All |
| Hardware | Qualcomm | Qat3519 | - | All | All | All |
| Operating System | Qualcomm | Qat3519 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 | Qat3555 | - | All | All | All |
| Operating System | Qualcomm | Qat3555 Firmware | - | All | All | All |
| Hardware | Qualcomm | Qat5515 | - | All | All | All |
| Operating System | Qualcomm | Qat5515 Firmware | - | All | All | All |
| Hardware | Qualcomm | Qat5516 | - | All | All | All |
| Operating System | Qualcomm | Qat5516 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 | Qca6420 | - | All | All | All |
| Operating System | Qualcomm | Qca6420 Firmware | - | All | All | All |
| Hardware | Qualcomm | Qca6430 | - | All | All | All |

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| Operating System | Qualcomm | Qca6430 Firmware | - | All | All | All |
| Hardware | Qualcomm | Qca6574a | - | All | All | All |
| Hardware | Qualcomm | Qca6574au | - | All | All | All |
| Operating System | Qualcomm | Qca6574au Firmware | - | All | All | All |
| Operating System | Qualcomm | Qca6574a Firmware | - | All | All | All |
| Hardware | Qualcomm | Qca6595 | - | 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 | 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 | Qdm2301 | - | All | All | All |
| Operating System | Qualcomm | Qdm2301 Firmware | - | All | All | All |
| Hardware | Qualcomm | Qdm2302 | - | All | All | All |
| Operating System | Qualcomm | Qdm2302 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 | Qpa4360 | - | All | All | All |
| Operating System | Qualcomm | Qpa4360 Firmware | - | All | All | All |
| Hardware | Qualcomm | Qpa4361 | - | All | All | All |
| Operating System | Qualcomm | Qpa4361 Firmware | - | All | All | All |
| Hardware | Qualcomm | Qpa5460 | - | All | All | All |
| Operating System | Qualcomm | Qpa5460 Firmware | - | All | All | All |
| Hardware | Qualcomm | Qpa6560 | - | All | All | All |

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| Operating System | Qualcomm | Qpa6560 Firmware | - | All | All | All |
| Hardware | Qualcomm | Qpa8673 | - | All | All | All |
| Operating System | Qualcomm | Qpa8673 Firmware | - | All | All | All |
| Hardware | Qualcomm | Qsw6310 | - | All | All | All |
| Operating System | Qualcomm | Qsw6310 Firmware | - | All | All | All |
| Hardware | Qualcomm | Qsw8573 | - | All | All | All |
| Operating System | Qualcomm | Qsw8573 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 | Sa8155 | - | All | All | All |
| Hardware | Qualcomm | Sa8155p | - | All | All | All |
| Operating System | Qualcomm | Sa8155p Firmware | - | All | All | All |
| Operating System | Qualcomm | Sa8155 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 | Sd665 | - | All | All | All |
| Operating System | Qualcomm | Sd665 Firmware | - | All | All | All |

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|------------------|----------|-------------------|---|-----|-----|-----|
| 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 | Sd888 5g | - | All | All | All |
| Operating System | Qualcomm | Sd888 5g Firmware | - | All | All | All |
| Hardware | Qualcomm | Sdm830 | - | All | All | All |
| Operating System | Qualcomm | Sdm830 Firmware | - | All | All | All |
| Hardware | Qualcomm | Sdr051 | - | All | All | All |
| Operating System | Qualcomm | Sdr051 Firmware | - | All | All | All |
| Hardware | Qualcomm | Sdr052 | - | All | All | All |
| Operating System | Qualcomm | Sdr052 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 | Sdx50m | - | All | All | All |
| Operating System | Qualcomm | Sdx50m Firmware | - | 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 |

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|------------------|----------|------------------|---|-----|-----|-----|
| Operating System | Qualcomm | Sax55 Firmware | - | All | All | All |
| Hardware | Qualcomm | Sd 8c | - | All | All | All |
| Hardware | Qualcomm | Sd 8cx | - | All | All | All |
| Operating System | Qualcomm | Sd 8cx Firmware | - | All | All | All |
| Operating System | Qualcomm | Sd 8c 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 | Smb1381 | - | All | All | All |
| Operating System | Qualcomm | Smb1381 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 | 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 | Wcd9385 | - | All | All | All |

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|------------------|----------|----------------------------------|---|-----|-----|-----|
| 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 | Wcn6850 | - | All | All | All |
| Operating System | Qualcomm | Wcn6850 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 |
|-----------|--------|------|------|
|-----------|--------|------|------|

| Reference | Source | Link | Tags |
|---|---------|--|---------------------|
| March 2021 Security Bulletin Qualcomm | CONFIRM | www.qualcomm.com | Vendor Advisory |
| 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

[610322](#) Google Android Devices March 2021 Security Patch Missing

[610330](#) Google Android April 2021 Security Patch Missing for Samsung

[610332](#) Google Android April 2021 Security Patch Missing for LGE

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