



# CVE-2021-1985

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

## Summary

|                        |  |
|------------------------|--|
| <b>CVE</b>             | CVE-2021-1985  |
| <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>       | 2021-10-20 07:15:00 UTC  |
| <b>Updated</b>         | 2021-10-26 18:36:00 UTC  |
| <b>Description</b>     | Possible buffer over read due to lack of data length check in QVR Service configuration in Snapdragon Auto, Snapdragon C |

## Risk And Classification

### Problem Types: CWE-125

## NVD Known Affected Configurations (CPE 2.3)

| Type             | Vendor                   | Product                            | Version | Update | Edition | Language |
|------------------|--------------------------|------------------------------------|---------|--------|---------|----------|
| Hardware         | <a href="#">Qualcomm</a> | <a href="#">Apq8017</a>            | -       | All    | All     | All      |
| Operating System | <a href="#">Qualcomm</a> | <a href="#">Apq8017 Firmware</a>   | -       | All    | All     | All      |
| Hardware         | <a href="#">Qualcomm</a> | <a href="#">Apq8053</a>            | -       | All    | All     | All      |
| Operating System | <a href="#">Qualcomm</a> | <a href="#">Apq8053 Firmware</a>   | -       | All    | All     | All      |
| Hardware         | <a href="#">Qualcomm</a> | <a href="#">Apq8064au</a>          | -       | All    | All     | All      |
| Operating System | <a href="#">Qualcomm</a> | <a href="#">Apq8064au Firmware</a> | -       | All    | All     | All      |
| Hardware         | <a href="#">Qualcomm</a> | <a href="#">Apq8096au</a>          | -       | All    | All     | All      |
| Operating System | <a href="#">Qualcomm</a> | <a href="#">Apq8096au Firmware</a> | -       | All    | All     | All      |
| Hardware         | <a href="#">Qualcomm</a> | <a href="#">Aqt1000</a>            | -       | All    | All     | All      |
| Operating System | <a href="#">Qualcomm</a> | <a href="#">Aqt1000 Firmware</a>   | -       | All    | All     | All      |
| Hardware         | <a href="#">Qualcomm</a> | <a href="#">Msm8917</a>            | -       | All    | All     | All      |
| Operating System | <a href="#">Qualcomm</a> | <a href="#">Msm8917 Firmware</a>   | -       | All    | All     | All      |
| Hardware         | <a href="#">Qualcomm</a> | <a href="#">Msm8953</a>            | -       | All    | All     | All      |
| Operating System | <a href="#">Qualcomm</a> | <a href="#">Msm8953 Firmware</a>   | -       | All    | All     | All      |
| Hardware         | <a href="#">Qualcomm</a> | <a href="#">Msm8996au</a>          | -       | All    | All     | All      |
| Operating System | <a href="#">Qualcomm</a> | <a href="#">Msm8996au Firmware</a> | -       | All    | All     | All      |
| Hardware         | <a href="#">Qualcomm</a> | <a href="#">Qca6310</a>            | -       | All    | All     | All      |

|                  |          |                    |   |     |     |     |
|------------------|----------|--------------------|---|-----|-----|-----|
| Operating System | Qualcomm | Qca6310 Firmware   | - | All | All | All |
| Hardware         | Qualcomm | Qca6320            | - | All | All | All |
| Operating System | Qualcomm | Qca6320 Firmware   | - | All | All | All |
| Hardware         | Qualcomm | Qca6335            | - | All | All | All |
| Operating System | Qualcomm | Qca6335 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 | 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 | Qca6436            | - | All | All | All |
| Operating System | Qualcomm | Qca6436 Firmware   | - | All | All | All |
| Hardware         | Qualcomm | Qca6564a           | - | All | All | All |
| Hardware         | Qualcomm | Qca6564au          | - | All | All | All |
| Operating System | Qualcomm | Qca6564au Firmware | - | All | All | All |
| Operating System | Qualcomm | Qca6564a 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 | 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 | Qcm6125            | - | All | All | All |
| Operating System | Qualcomm | Qcm6125 Firmware   | - | All | All | All |
| Hardware         | Qualcomm | Qcm6490            | - | All | All | All |
| Operating System | Qualcomm | Qcm6490 Firmware   | - | 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 | Qcs603               | - | All | All | All |
| Operating System | Qualcomm | Qcs603 Firmware      | - | All | All | All |
| Hardware         | Qualcomm | Qcs605               | - | All | All | All |
| Operating System | Qualcomm | Qcs605 Firmware      | - | All | All | All |
| Hardware         | Qualcomm | Qcs610               | - | All | All | All |
| Operating System | Qualcomm | Qcs610 Firmware      | - | All | All | All |
| Hardware         | Qualcomm | Qcs6125              | - | All | All | All |
| Operating System | Qualcomm | Qcs6125 Firmware     | - | All | All | All |
| Hardware         | Qualcomm | Qcs6490              | - | All | All | All |
| Operating System | Qualcomm | Qcs6490 Firmware     | - | All | All | All |
| Hardware         | Qualcomm | Qualcomm215          | - | All | All | All |
| Operating System | Qualcomm | Qualcomm215 Firmware | - | All | All | All |
| Hardware         | Qualcomm | Sd205                | - | All | All | All |
| Operating System | Qualcomm | Sd205 Firmware       | - | All | All | All |
| Hardware         | Qualcomm | Sd210                | - | All | All | All |
| Operating System | Qualcomm | Sd210 Firmware       | - | All | All | All |
| Hardware         | Qualcomm | Sd429                | - | All | All | All |
| Operating System | Qualcomm | Sd429 Firmware       | - | All | All | All |
| Hardware         | Qualcomm | Sd439                | - | All | All | All |
| Operating System | Qualcomm | Sd439 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 | Sd632                | - | All | All | All |
| Operating System | Qualcomm | Sd632 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 |
| Hardware         | Qualcomm | Sd675                | - | All | All | All |
| Operating System | Qualcomm | Sd675 Firmware       | - | All | All | All |
| Hardware         | Qualcomm | Sd678                | - | All | All | All |

|                  |          |                   |   |     |     |     |
|------------------|----------|-------------------|---|-----|-----|-----|
| Operating System | Qualcomm | Sd6/8 Firmware    | - | All | All | All |
| Hardware         | Qualcomm | Sd690 5g          | - | All | All | All |
| Operating System | Qualcomm | Sd690 5g Firmware | - | All | All | All |
| Hardware         | Qualcomm | Sd720g            | - | All | All | All |
| Operating System | Qualcomm | Sd720g Firmware   | - | All | All | All |
| Hardware         | Qualcomm | Sd730             | - | All | All | All |
| Operating System | Qualcomm | Sd730 Firmware    | - | All | All | All |
| Hardware         | Qualcomm | Sd750g            | - | All | All | All |
| Operating System | Qualcomm | Sd750g Firmware   | - | All | All | All |
| Hardware         | Qualcomm | Sd765             | - | All | All | All |
| Hardware         | Qualcomm | Sd765g            | - | All | All | All |
| Operating System | Qualcomm | Sd765g Firmware   | - | All | All | All |
| Operating System | Qualcomm | Sd765 Firmware    | - | All | All | All |
| Hardware         | Qualcomm | Sd768g            | - | All | All | All |
| Operating System | Qualcomm | Sd768g Firmware   | - | All | All | All |
| Hardware         | Qualcomm | Sd778g            | - | All | All | All |
| Operating System | Qualcomm | Sd778g Firmware   | - | All | All | All |
| Hardware         | Qualcomm | Sd780g            | - | All | All | All |
| Operating System | Qualcomm | Sd780g Firmware   | - | All | All | All |
| Hardware         | Qualcomm | Sd855             | - | All | All | All |
| Operating System | Qualcomm | Sd855 Firmware    | - | All | All | All |
| Hardware         | Qualcomm | Sd865 5g          | - | All | All | All |
| Operating System | Qualcomm | Sd865 5g Firmware | - | All | All | All |
| Hardware         | Qualcomm | Sd870             | - | All | All | All |
| Operating System | Qualcomm | Sd870 Firmware    | - | All | All | All |
| Hardware         | Qualcomm | Sd888             | - | All | All | All |
| Hardware         | Qualcomm | Sd888 5g          | - | All | All | All |
| Operating System | Qualcomm | Sd888 5g Firmware | - | All | All | All |
| Operating System | Qualcomm | Sd888 Firmware    | - | All | All | All |
| Hardware         | Qualcomm | Sdm630            | - | All | All | All |
| Operating System | Qualcomm | Sdm630 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 |
| Hardware         | Qualcomm | Sdxr1             | - | All | All | All |
| Operating System | Qualcomm | Sdxr1 Firmware    | - | All | All | All |
| Hardware         | Qualcomm | Sdxr2 5g          | - | All | All | All |
| Operating System | Qualcomm | Sdxr2 5g Firmware | - | All | All | All |
| Hardware         | Qualcomm | Sd 455            | - | All | All | All |
| Operating System | Qualcomm | Sd 455 Firmware   | - | All | All | All |
| Hardware         | Qualcomm | Sd 636            | - | All | All | All |
| Operating System | Qualcomm | Sd 636 Firmware   | - | All | All | All |
| Hardware         | Qualcomm | Sd 675            | - | All | All | All |
| Operating System | Qualcomm | Sd 675 Firmware   | - | All | All | All |
| Hardware         | Qualcomm | Sm4125            | - | All | All | All |
| Operating System | Qualcomm | Sm4125 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 | Sm7250            | - | All | All | All |
| Operating System | Qualcomm | Sm7250 Firmware   | - | All | All | All |
| Hardware         | Qualcomm | Sm7325            | - | All | All | All |
| Operating System | Qualcomm | Sm7325 Firmware   | - | All | All | All |
| Hardware         | Qualcomm | Wcd9370           | - | All | All | All |
| Operating System | Qualcomm | Wcd9370 Firmware  | - | All | All | All |
| Hardware         | Qualcomm | Wcd9371           | - | All | All | All |
| Operating System | Qualcomm | Wcd9371 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 | Wcn3610           | - | All | All | All |
| Operating System | Qualcomm | Wcn3610 Firmware  | - | All | All | All |
| Hardware         | Qualcomm | Wcn3615           | - | All | All | All |
| Operating System | Qualcomm | Wcn3615 Firmware  | - | All | All | All |

|                  |          |                   |   |     |     |     |
|------------------|----------|-------------------|---|-----|-----|-----|
| Hardware         | Qualcomm | Wcn3660b          | - | All | All | All |
| Operating System | Qualcomm | Wcn3660b Firmware | - | All | All | All |
| Hardware         | Qualcomm | Wcn3680           | - | All | All | All |
| Hardware         | Qualcomm | Wcn3680b          | - | All | All | All |
| Operating System | Qualcomm | Wcn3680b Firmware | - | All | All | All |
| Operating System | Qualcomm | Wcn3680 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 | Wcn6850           | - | All | All | All |
| Operating System | Qualcomm | Wcn6850 Firmware  | - | All | All | All |
| Hardware         | Qualcomm | Wcn6851           | - | All | All | All |
| Operating System | Qualcomm | Wcn6851 Firmware  | - | All | All | All |
| Hardware         | Qualcomm | Wcn6855           | - | All | All | All |
| Operating System | Qualcomm | Wcn6855 Firmware  | - | All | All | All |
| Hardware         | Qualcomm | Wcn6856           | - | All | All | All |
| Operating System | Qualcomm | Wcn6856 Firmware  | - | All | All | All |
| Hardware         | Qualcomm | Wsa8830           | - | All | All | All |
| Operating System | Qualcomm | Wsa8830 Firmware  | - | All | All | All |
| Hardware         | Qualcomm | Wsa8835           | - | All | All | All |
| Operating System | Qualcomm | Wsa8835 Firmware  | - | All | All | All |

## References

| Reference                                 | Source  | Link   | Tags |
|---|---------|--|------|
| October 2021 Security Bulletin   Qualcomm | CONFIRM | <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.               |         |  |                     |
| <b>Legacy QID Mappings</b>   |         |  |                     |
| 610373 Google Android Devices October 2021 Security Patch Missing  |         |  |                     |
| 610383 Google Android November 2021 Security Patch Missing for LGE |         |  |                     |

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