



CVE-2022-33278

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

Summary

| | |
|------------------------|---|
| CVE | CVE-2022-33278 |
| State | PUBLIC |
| Assigner | product-security@qualcomm.com |
| Source Priority | CVE Program / NVD first with legacy fallback |
| Published | 2023-03-10 21:15:00 UTC |
| Updated | 2023-04-19 17:10:00 UTC |
| Description | Memory corruption due to buffer copy without checking the size of input in HLOS when input message size is larger than th |

Risk And Classification

Problem Types: CWE-120

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 | Csra6620 | - | All | All | All |
| Operating System | Qualcomm | Csra6620 Firmware | - | All | All | All |
| Hardware | Qualcomm | Csra6640 | - | All | All | All |
| Operating System | Qualcomm | Csra6640 Firmware | - | All | All | All |
| Hardware | Qualcomm | Qam8295p | - | All | All | All |
| Operating System | Qualcomm | Qam8295p 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 | Qca6574 | - | 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 |
| Operating System | Qualcomm | Qca6574 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 | Qca8081 | - | All | All | All |
| Operating System | Qualcomm | Qca8081 Firmware | - | All | All | All |
| Hardware | Qualcomm | Qca8337 | - | All | All | All |
| Operating System | Qualcomm | Qca8337 Firmware | - | All | All | All |
| Hardware | Qualcomm | Qcc5100 | - | All | All | All |
| Operating System | Qualcomm | Qcc5100 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 | Qcn6024 | - | All | All | All |
| Operating System | Qualcomm | Qcn6024 Firmware | - | All | All | All |
| Hardware | Qualcomm | Qcn7606 | - | All | All | All |
| Operating System | Qualcomm | Qcn7606 Firmware | - | All | All | All |
| Hardware | Qualcomm | Qcn9024 | - | All | All | All |
| Operating System | Qualcomm | Qcn9024 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 | 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 | Qsm8350 | - | All | All | All |
| Operating System | Qualcomm | Qsm8350 Firmware | - | All | All | All |
| Hardware | Qualcomm | Sa4150p | - | All | All | All |
| Operating System | Qualcomm | Sa4150p Firmware | - | All | All | All |
| Hardware | Qualcomm | Sa4155p | - | All | All | All |
| Operating System | Qualcomm | Sa4155p Firmware | - | All | All | All |
| Hardware | Qualcomm | Sa6145p | - | All | All | All |
| Operating System | Qualcomm | Sa6145p Firmware | - | All | All | All |
| Hardware | Qualcomm | Sa6150p | - | All | All | All |
| Operating System | Qualcomm | Sa6150p Firmware | - | All | All | All |
| Hardware | Qualcomm | Sa6155 | - | All | All | All |
| Hardware | Qualcomm | Sa6155p | - | All | All | All |
| Operating System | Qualcomm | Sa6155p Firmware | - | All | All | All |
| Operating System | Qualcomm | Sa6155 Firmware | - | All | All | All |
| Hardware | Qualcomm | Sa8145p | - | All | All | All |
| Operating System | Qualcomm | Sa8145p Firmware | - | All | All | All |
| Hardware | Qualcomm | Sa8150p | - | All | All | All |

| | | | | | | |
|------------------|----------|-------------------|---|-----|-----|-----|
| Operating System | Qualcomm | Sa8150p 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 | 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 | 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 |
| Hardware | Qualcomm | Sd670 | - | All | All | All |
| Operating System | Qualcomm | Sd670 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 | Sd678 Firmware | - | All | All | All |
| Hardware | Qualcomm | Sd680 | - | All | All | All |
| Operating System | Qualcomm | Sd680 Firmware | - | All | All | All |
| Hardware | Qualcomm | Sd690 5g | - | All | All | All |
| Operating System | Qualcomm | Sd690 5g Firmware | - | All | All | All |
| Hardware | Qualcomm | Sd695 | - | All | All | All |
| Operating System | Qualcomm | Sd695 Firmware | - | All | All | All |
| Hardware | Qualcomm | Sd710 | - | All | All | All |
| Operating System | Qualcomm | Sd710 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 | Sdx50m | - | All | All | All |
| Operating System | Qualcomm | Sdx50m Firmware | - | All | All | All |
| Hardware | Qualcomm | Sdx55m | - | All | All | All |
| Operating System | Qualcomm | Sdx55m Firmware | - | All | All | All |
| Hardware | Qualcomm | Sdx65 | - | All | All | All |
| Operating System | Qualcomm | Sdx65 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 675 | - | All | All | All |
| Operating System | Qualcomm | Sd 675 Firmware | - | All | All | All |
| Hardware | Qualcomm | Sd 8cx Gen3 | - | All | All | All |
| Operating System | Qualcomm | Sd 8cx Gen3 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 | Sm6250 | - | All | All | All |
| Operating System | Qualcomm | Sm6250 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 | Sm7325p | - | All | All | All |
| Operating System | Qualcomm | Sm7325p Firmware | - | All | All | All |
| Hardware | Qualcomm | Sm8475 | - | All | All | All |
| Hardware | Qualcomm | Snapdragon 4 Gen 1 | - | All | All | All |
| Operating System | Qualcomm | Snapdragon 4 Gen 1 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 | Sw5100 | - | All | All | All |
| Hardware | Qualcomm | Sw5100p | - | All | All | All |
| Operating System | Qualcomm | Sw5100p Firmware | - | All | All | All |
| Operating System | Qualcomm | Sw5100 Firmware | - | All | All | All |
| Hardware | Qualcomm | Sxr1230p | - | All | All | All |
| Operating System | Qualcomm | Sxr1230p Firmware | - | All | All | All |
| Hardware | Qualcomm | Sxr2150p | - | All | All | All |
| Operating System | Qualcomm | Sxr2150p Firmware | - | All | All | All |
| Hardware | Qualcomm | Sxr2230p | - | All | All | All |
| Operating System | Qualcomm | Sxr2230p Firmware | - | All | All | All |
| Hardware | Qualcomm | Ms4000 | - | All | All | All |

| | | | | | | |
|------------------|----------|------------------|---|-----|-----|-----|
| Hardware | Qualcomm | Wcd9326 | - | All | All | All |
| Operating System | Qualcomm | Wcd9326 Firmware | - | All | All | All |
| Hardware | Qualcomm | Wcd9335 | - | All | All | All |
| Operating System | Qualcomm | Wcd9335 Firmware | - | All | All | All |
| Hardware | Qualcomm | Wcd9341 | - | All | All | All |
| Operating System | Qualcomm | Wcd9341 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 | 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 | Wcn7850 | - | All | All | All |
| Operating System | Qualcomm | Wcn7850 Firmware | - | All | All | All |
| Hardware | Qualcomm | Wcn7851 | - | All | All | All |
| Operating System | Qualcomm | Wcn7851 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 | 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

[610471](#) Google Android Devices March 2023 Security Patch Missing

[610484](#) Google Android April 2023 Security Patch Missing for Samsung

© CVE.report 2026 |

Use of this information constitutes acceptance for use in an AS IS condition. There are NO warranties, implied or otherwise, with regard to this information or its use. Any use of this information is at the user's risk. It is the responsibility of user to evaluate the accuracy, completeness or usefulness of any information, opinion, advice or other content. EACH USER WILL BE SOLELY RESPONSIBLE FOR ANY consequences of his or her direct or indirect use of this web site. ALL WARRANTIES OF ANY KIND ARE EXPRESSLY DISCLAIMED. This site will NOT BE LIABLE FOR ANY DIRECT, INDIRECT or any other kind of loss.

CVE, CWE, and OVAL are registered trademarks of [The MITRE Corporation](#) and the authoritative source of CVE content is [MITRE's CVE web](#)

[site](#). This site includes MITRE data granted under the following [license](#).

CVE.report and Source URL Uptime Status status.cve.report