



# CVE-2022-25748

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## Summary

|                        |  |
|------------------------|--|
| <b>CVE</b>             | CVE-2022-25748   |
| <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>       | 2022-10-19 11:15:00 UTC  |
| <b>Updated</b>         | 2023-04-19 17:10:00 UTC  |
| <b>Description</b>     | Memory corruption in WLAN due to integer overflow to buffer overflow while parsing GTK frames. in Snapdragon Auto, Sna |

## Risk And Classification

**Problem Types:** CWE-190

## NVD Known Affected Configurations (CPE 2.3)

| Type             | Vendor                   | Product                            | Version | Update | Edition | Language |
|------------------|--------------------------|------------------------------------|---------|--------|---------|----------|
| Hardware         | <a href="#">Qualcomm</a> | <a href="#">Apq8009</a>            | -       | All    | All     | All      |
| Operating System | <a href="#">Qualcomm</a> | <a href="#">Apq8009 Firmware</a>   | -       | All    | All     | All      |
| 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="#">Apq8076</a>            | -       | All    | All     | All      |
| Operating System | <a href="#">Qualcomm</a> | <a href="#">Apq8076 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="#">Ar8031</a>             | -       | All    | All     | All      |
| Operating System | <a href="#">Qualcomm</a> | <a href="#">Ar8031 Firmware</a>    | -       | All    | All     | All      |
| Hardware         | <a href="#">Qualcomm</a> | <a href="#">Ar8035</a>             | -       | All    | All     | All      |
| Operating System | <a href="#">Qualcomm</a> | <a href="#">Ar8035 Firmware</a>    | -       | All    | All     | All      |
| Hardware         | <a href="#">Qualcomm</a> | <a href="#">Ar9380</a>             | -       | All    | All     | All      |
| Operating System | <a href="#">Qualcomm</a> | <a href="#">Ar9380 Firmware</a>    | -       | All    | All     | All      |
| Hardware         | <a href="#">Qualcomm</a> | <a href="#">Csr8811</a>            | -       | All    | All     | All      |

|                  |          |                    |   |     |     |     |
|------------------|----------|--------------------|---|-----|-----|-----|
| Operating System | Qualcomm | Csr8811 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 | Csrb31024          | - | All | All | All |
| Operating System | Qualcomm | Csrb31024 Firmware | - | All | All | All |
| Hardware         | Qualcomm | Ipq4018            | - | All | All | All |
| Operating System | Qualcomm | Ipq4018 Firmware   | - | All | All | All |
| Hardware         | Qualcomm | Ipq4028            | - | All | All | All |
| Operating System | Qualcomm | Ipq4028 Firmware   | - | All | All | All |
| Hardware         | Qualcomm | Ipq4029            | - | All | All | All |
| Operating System | Qualcomm | Ipq4029 Firmware   | - | All | All | All |
| Hardware         | Qualcomm | Ipq5010            | - | All | All | All |
| Operating System | Qualcomm | Ipq5010 Firmware   | - | All | All | All |
| Hardware         | Qualcomm | Ipq5018            | - | All | All | All |
| Operating System | Qualcomm | Ipq5018 Firmware   | - | All | All | All |
| Hardware         | Qualcomm | Ipq5028            | - | All | All | All |
| Operating System | Qualcomm | Ipq5028 Firmware   | - | All | All | All |
| Hardware         | Qualcomm | Ipq6000            | - | All | All | All |
| Operating System | Qualcomm | Ipq6000 Firmware   | - | All | All | All |
| Hardware         | Qualcomm | Ipq6010            | - | All | All | All |
| Operating System | Qualcomm | Ipq6010 Firmware   | - | All | All | All |
| Hardware         | Qualcomm | Ipq6018            | - | All | All | All |
| Operating System | Qualcomm | Ipq6018 Firmware   | - | All | All | All |
| Hardware         | Qualcomm | Ipq6028            | - | All | All | All |
| Operating System | Qualcomm | Ipq6028 Firmware   | - | All | All | All |
| Hardware         | Qualcomm | Ipq8064            | - | All | All | All |
| Operating System | Qualcomm | Ipq8064 Firmware   | - | All | All | All |
| Hardware         | Qualcomm | Ipq8069            | - | All | All | All |
| Operating System | Qualcomm | Ipq8069 Firmware   | - | All | All | All |
| Hardware         | Qualcomm | Ipq8070            | - | All | All | All |
| Hardware         | Qualcomm | Ipq8070a           | - | All | All | All |
| Operating System | Qualcomm | Ipq8070a Firmware  | - | All | All | All |
| Operating System | Qualcomm | Ipq8070 Firmware   | - | All | All | All |

|                  |          |                   |   |     |     |     |
|------------------|----------|-------------------|---|-----|-----|-----|
| Hardware         | Qualcomm | lpq8071           | - | All | All | All |
| Hardware         | Qualcomm | lpq8071a          | - | All | All | All |
| Operating System | Qualcomm | lpq8071a Firmware | - | All | All | All |
| Operating System | Qualcomm | lpq8071 Firmware  | - | All | All | All |
| Hardware         | Qualcomm | lpq8072           | - | All | All | All |
| Hardware         | Qualcomm | lpq8072a          | - | All | All | All |
| Operating System | Qualcomm | lpq8072a Firmware | - | All | All | All |
| Operating System | Qualcomm | lpq8072 Firmware  | - | All | All | All |
| Hardware         | Qualcomm | lpq8074           | - | All | All | All |
| Hardware         | Qualcomm | lpq8074a          | - | All | All | All |
| Operating System | Qualcomm | lpq8074a Firmware | - | All | All | All |
| Operating System | Qualcomm | lpq8074 Firmware  | - | All | All | All |
| Hardware         | Qualcomm | lpq8076           | - | All | All | All |
| Hardware         | Qualcomm | lpq8076a          | - | All | All | All |
| Operating System | Qualcomm | lpq8076a Firmware | - | All | All | All |
| Operating System | Qualcomm | lpq8076 Firmware  | - | All | All | All |
| Hardware         | Qualcomm | lpq8078           | - | All | All | All |
| Hardware         | Qualcomm | lpq8078a          | - | All | All | All |
| Operating System | Qualcomm | lpq8078a Firmware | - | All | All | All |
| Operating System | Qualcomm | lpq8078 Firmware  | - | All | All | All |
| Hardware         | Qualcomm | lpq8173           | - | All | All | All |
| Operating System | Qualcomm | lpq8173 Firmware  | - | All | All | All |
| Hardware         | Qualcomm | lpq8174           | - | All | All | All |
| Operating System | Qualcomm | lpq8174 Firmware  | - | All | All | All |
| Hardware         | Qualcomm | lpq9008           | - | All | All | All |
| Operating System | Qualcomm | lpq9008 Firmware  | - | All | All | All |
| Hardware         | Qualcomm | Mdm8215           | - | All | All | All |
| Operating System | Qualcomm | Mdm8215 Firmware  | - | All | All | All |
| Hardware         | Qualcomm | Mdm9206           | - | All | All | All |
| Operating System | Qualcomm | Mdm9206 Firmware  | - | All | All | All |
| Hardware         | Qualcomm | Mdm9215           | - | All | All | All |
| Operating System | Qualcomm | Mdm9215 Firmware  | - | All | All | All |
| Hardware         | Qualcomm | Mdm9250           | - | All | All | All |
| Operating System | Qualcomm | Mdm9250 Firmware  | - | All | All | All |
| Hardware         | Qualcomm | Mdm9310           | - | All | All | All |

|                  |          |                    |   |     |     |     |
|------------------|----------|--------------------|---|-----|-----|-----|
| Operating System | Qualcomm | Mdm9310 Firmware   | - | All | All | All |
| Hardware         | Qualcomm | Mdm9607            | - | All | All | All |
| Operating System | Qualcomm | Mdm9607 Firmware   | - | All | All | All |
| Hardware         | Qualcomm | Mdm9615            | - | All | All | All |
| Operating System | Qualcomm | Mdm9615 Firmware   | - | All | All | All |
| Hardware         | Qualcomm | Mdm9628            | - | All | All | All |
| Operating System | Qualcomm | Mdm9628 Firmware   | - | All | All | All |
| Hardware         | Qualcomm | Mdm9640            | - | All | All | All |
| Operating System | Qualcomm | Mdm9640 Firmware   | - | All | All | All |
| Hardware         | Qualcomm | Mdm9645            | - | All | All | All |
| Operating System | Qualcomm | Mdm9645 Firmware   | - | All | All | All |
| Hardware         | Qualcomm | Mdm9650            | - | All | All | All |
| Operating System | Qualcomm | Mdm9650 Firmware   | - | All | All | All |
| Hardware         | Qualcomm | Msm8976            | - | All | All | All |
| Operating System | Qualcomm | Msm8976 Firmware   | - | All | All | All |
| Hardware         | Qualcomm | Msm8996au          | - | All | All | All |
| Operating System | Qualcomm | Msm8996au Firmware | - | All | All | All |
| Hardware         | Qualcomm | Pmp8074            | - | All | All | All |
| Operating System | Qualcomm | Pmp8074 Firmware   | - | All | All | All |
| Hardware         | Qualcomm | Qam8295p           | - | All | All | All |
| Operating System | Qualcomm | Qam8295p Firmware  | - | All | All | All |
| Hardware         | Qualcomm | Qca1023            | - | All | All | All |
| Operating System | Qualcomm | Qca1023 Firmware   | - | All | All | All |
| Hardware         | Qualcomm | Qca1062            | - | All | All | All |
| Operating System | Qualcomm | Qca1062 Firmware   | - | All | All | All |
| Hardware         | Qualcomm | Qca1064            | - | All | All | All |
| Operating System | Qualcomm | Qca1064 Firmware   | - | All | All | All |
| Hardware         | Qualcomm | Qca2062            | - | All | All | All |
| Operating System | Qualcomm | Qca2062 Firmware   | - | All | All | All |
| Hardware         | Qualcomm | Qca2064            | - | All | All | All |
| Operating System | Qualcomm | Qca2064 Firmware   | - | All | All | All |
| Hardware         | Qualcomm | Qca2065            | - | All | All | All |
| Operating System | Qualcomm | Qca2065 Firmware   | - | All | All | All |
| Hardware         | Qualcomm | Qca2066            | - | All | All | All |
| Operating System | Qualcomm | Qca2066 Firmware   | - | All | All | All |
| Hardware         | Qualcomm | Qca4020            | - | All | All | All |

|                  |          |                   |   |     |     |     |
|------------------|----------|-------------------|---|-----|-----|-----|
| Operating System | Qualcomm | Qca4020 Firmware  | - | All | All | All |
| Hardware         | Qualcomm | Qca4024           | - | All | All | All |
| Operating System | Qualcomm | Qca4024 Firmware  | - | All | All | All |
| Hardware         | Qualcomm | Qca4531           | - | All | All | All |
| Operating System | Qualcomm | Qca4531 Firmware  | - | All | All | All |
| Hardware         | Qualcomm | Qca6174           | - | All | All | All |
| Hardware         | Qualcomm | Qca6174a          | - | All | All | All |
| Operating System | Qualcomm | Qca6174a Firmware | - | All | All | All |
| Operating System | Qualcomm | Qca6174 Firmware  | - | All | All | All |
| Hardware         | Qualcomm | Qca6175a          | - | All | All | All |
| Operating System | Qualcomm | Qca6175a Firmware | - | All | All | All |
| Hardware         | Qualcomm | Qca6310           | - | 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 | 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 | Qca6428           | - | All | All | All |
| Operating System | Qualcomm | Qca6428 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 | Qca6438            | - | All | All | All |
| Operating System | Qualcomm | Qca6438 Firmware   | - | All | All | All |
| Hardware         | Qualcomm | Qca6554a           | - | All | All | All |
| Operating System | Qualcomm | Qca6554a Firmware  | - | All | All | All |
| Hardware         | Qualcomm | Qca6564            | - | 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 |
| Operating System | Qualcomm | Qca6564 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 | Qca6584            | - | All | All | All |
| Hardware         | Qualcomm | Qca6584au          | - | All | All | All |
| Operating System | Qualcomm | Qca6584au Firmware | - | All | All | All |
| Operating System | Qualcomm | Qca6584 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 | Qca8072            | - | All | All | All |
| Operating System | Qualcomm | Qca8072 Firmware   | - | All | All | All |
| Hardware         | Qualcomm | Qca8075            | - | All | All | All |
| Operating System | Qualcomm | Qca8075 Firmware   | - | All | All | All |
| Hardware         | Qualcomm | Qca8081            | - | All | All | All |
| Operating System | Qualcomm | Qca8081 Firmware   | - | All | All | All |
| Hardware         | Qualcomm | Qca8082            | - | All | All | All |
| Operating System | Qualcomm | Qca8082 Firmware   | - | All | All | All |
| Hardware         | Qualcomm | Qca8084            | - | All | All | All |
| Operating System | Qualcomm | Qca8084 Firmware   | - | All | All | All |

|                  |          |                  |   |     |     |     |
|------------------|----------|------------------|---|-----|-----|-----|
| Operating System | Qualcomm | Qca8084 Firmware | - | All | All | All |
| Hardware         | Qualcomm | Qca8085          | - | All | All | All |
| Operating System | Qualcomm | Qca8085 Firmware | - | All | All | All |
| Hardware         | Qualcomm | Qca8337          | - | All | All | All |
| Operating System | Qualcomm | Qca8337 Firmware | - | All | All | All |
| Hardware         | Qualcomm | Qca8386          | - | All | All | All |
| Operating System | Qualcomm | Qca8386 Firmware | - | All | All | All |
| Hardware         | Qualcomm | Qca9367          | - | All | All | All |
| Operating System | Qualcomm | Qca9367 Firmware | - | All | All | All |
| Hardware         | Qualcomm | Qca9377          | - | All | All | All |
| Operating System | Qualcomm | Qca9377 Firmware | - | All | All | All |
| Hardware         | Qualcomm | Qca9379          | - | All | All | All |
| Operating System | Qualcomm | Qca9379 Firmware | - | All | All | All |
| Hardware         | Qualcomm | Qca9888          | - | All | All | All |
| Operating System | Qualcomm | Qca9888 Firmware | - | All | All | All |
| Hardware         | Qualcomm | Qca9889          | - | All | All | All |
| Operating System | Qualcomm | Qca9889 Firmware | - | All | All | All |
| Hardware         | Qualcomm | Qca9898          | - | All | All | All |
| Operating System | Qualcomm | Qca9898 Firmware | - | All | All | All |
| Hardware         | Qualcomm | Qca9980          | - | All | All | All |
| Operating System | Qualcomm | Qca9980 Firmware | - | All | All | All |
| Hardware         | Qualcomm | Qca9984          | - | All | All | All |
| Operating System | Qualcomm | Qca9984 Firmware | - | All | All | All |
| Hardware         | Qualcomm | Qca9990          | - | All | All | All |
| Operating System | Qualcomm | Qca9990 Firmware | - | All | All | All |
| Hardware         | Qualcomm | Qca9992          | - | All | All | All |
| Operating System | Qualcomm | Qca9992 Firmware | - | All | All | All |
| Hardware         | Qualcomm | Qca9994          | - | All | All | All |
| Operating System | Qualcomm | Qca9994 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 | Qcn5021          | - | All | All | All |
| Operating System | Qualcomm | Qcn5021 Firmware | - | All | All | All |
| Hardware         | Qualcomm | Qcn5022          | - | All | All | All |
| Operating System | Qualcomm | Qcn5022 Firmware | - | All | All | All |
| Hardware         | Qualcomm | Qcn5024          | - | All | All | All |
| Operating System | Qualcomm | Qcn5024 Firmware | - | All | All | All |
| Hardware         | Qualcomm | Qcn5052          | - | All | All | All |
| Operating System | Qualcomm | Qcn5052 Firmware | - | All | All | All |
| Hardware         | Qualcomm | Qcn5054          | - | All | All | All |
| Operating System | Qualcomm | Qcn5054 Firmware | - | All | All | All |
| Hardware         | Qualcomm | Qcn5122          | - | All | All | All |
| Operating System | Qualcomm | Qcn5122 Firmware | - | All | All | All |
| Hardware         | Qualcomm | Qcn5124          | - | All | All | All |
| Operating System | Qualcomm | Qcn5124 Firmware | - | All | All | All |
| Hardware         | Qualcomm | Qcn5152          | - | All | All | All |
| Operating System | Qualcomm | Qcn5152 Firmware | - | All | All | All |
| Hardware         | Qualcomm | Qcn5154          | - | All | All | All |
| Operating System | Qualcomm | Qcn5154 Firmware | - | All | All | All |
| Hardware         | Qualcomm | Qcn5164          | - | All | All | All |
| Operating System | Qualcomm | Qcn5164 Firmware | - | All | All | All |
| Hardware         | Qualcomm | Qcn6023          | - | All | All | All |
| Operating System | Qualcomm | Qcn6023 Firmware | - | All | All | All |
| Hardware         | Qualcomm | Qcn6024          | - | All | All | All |
| Operating System | Qualcomm | Qcn6024 Firmware | - | All | All | All |
| Hardware         | Qualcomm | Qcn6100          | - | All | All | All |
| Operating System | Qualcomm | Qcn6100 Firmware | - | All | All | All |
| Hardware         | Qualcomm | Qcn6102          | - | All | All | All |
| Operating System | Qualcomm | Qcn6102 Firmware | - | All | All | All |
| Hardware         | Qualcomm | Qcn6112          | - | All | All | All |
| Operating System | Qualcomm | Qcn6112 Firmware | - | All | All | All |
| Hardware         | Qualcomm | Qcn6122          | - | All | All | All |
| Operating System | Qualcomm | Qcn6122 Firmware | - | All | All | All |

|                  |          |                  |   |     |     |     |
|------------------|----------|------------------|---|-----|-----|-----|
| Hardware         | Qualcomm | Qcn6132          | - | All | All | All |
| Operating System | Qualcomm | Qcn6132 Firmware | - | All | All | All |
| Hardware         | Qualcomm | Qcn7605          | - | All | All | All |
| Operating System | Qualcomm | Qcn7605 Firmware | - | All | All | All |
| Hardware         | Qualcomm | Qcn7606          | - | All | All | All |
| Operating System | Qualcomm | Qcn7606 Firmware | - | All | All | All |
| Hardware         | Qualcomm | Qcn9000          | - | All | All | All |
| Operating System | Qualcomm | Qcn9000 Firmware | - | All | All | All |
| Hardware         | Qualcomm | Qcn9001          | - | All | All | All |
| Operating System | Qualcomm | Qcn9001 Firmware | - | All | All | All |
| Hardware         | Qualcomm | Qcn9002          | - | All | All | All |
| Operating System | Qualcomm | Qcn9002 Firmware | - | All | All | All |
| Hardware         | Qualcomm | Qcn9003          | - | All | All | All |
| Operating System | Qualcomm | Qcn9003 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 | Qcn9022          | - | All | All | All |
| Operating System | Qualcomm | Qcn9022 Firmware | - | All | All | All |
| Hardware         | Qualcomm | Qcn9024          | - | All | All | All |
| Operating System | Qualcomm | Qcn9024 Firmware | - | All | All | All |
| Hardware         | Qualcomm | Qcn9070          | - | All | All | All |
| Operating System | Qualcomm | Qcn9070 Firmware | - | All | All | All |
| Hardware         | Qualcomm | Qcn9072          | - | All | All | All |
| Operating System | Qualcomm | Qcn9072 Firmware | - | All | All | All |
| Hardware         | Qualcomm | Qcn9074          | - | All | All | All |
| Operating System | Qualcomm | Qcn9074 Firmware | - | All | All | All |
| Hardware         | Qualcomm | Qcn9100          | - | All | All | All |
| Operating System | Qualcomm | Qcn9100 Firmware | - | All | All | All |
| Hardware         | Qualcomm | Qcn9274          | - | All | All | All |
| Operating System | Qualcomm | Qcn9274 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 |

|                  |          |                   |   |     |     |     |
|------------------|----------|-------------------|---|-----|-----|-----|
| Operating System | Qualcomm | Qcs405 Firmware   | - | All | All | All |
| Hardware         | Qualcomm | Qcs410            | - | All | All | All |
| Operating System | Qualcomm | Qcs410 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 | Qcx315            | - | All | All | All |
| Operating System | Qualcomm | Qcx315 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 | 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 | Sa415m            | - | All | All | All |
| Operating System | Qualcomm | Sa415m Firmware   | - | All | All | All |
| Hardware         | Qualcomm | Sa515m            | - | All | All | All |
| Operating System | Qualcomm | Sa515m 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 | Sc8180x Sdx55          | - | All | All | All |
| Operating System | Qualcomm | Sc8180x Sdx55 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 | Sd660                  | - | All | All | All |
| Operating System | Qualcomm | Sd660 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 | Sd712             | - | All | All | All |
| Operating System | Qualcomm | Sd712 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 | Sd7c              | - | All | All | All |
| Operating System | Qualcomm | Sd7c Firmware     | - | All | All | All |
| Hardware         | Qualcomm | Sd820             | - | All | All | All |
| Operating System | Qualcomm | Sd820 Firmware    | - | All | All | All |
| Hardware         | Qualcomm | Sd821             | - | All | All | All |
| Operating System | Qualcomm | Sd821 Firmware    | - | All | All | All |
| Hardware         | Qualcomm | Sd835             | - | All | All | All |
| Operating System | Qualcomm | Sd835 Firmware    | - | All | All | All |

|                  |          |                   |   |     |     |     |
|------------------|----------|-------------------|---|-----|-----|-----|
| Operating System | Qualcomm | Sd845 Firmware    | - | All | All | All |
| Hardware         | Qualcomm | Sd845             | - | All | All | All |
| Operating System | Qualcomm | Sd845 Firmware    | - | All | All | All |
| Hardware         | Qualcomm | Sd850             | - | All | All | All |
| Operating System | Qualcomm | Sd850 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 | Sdx12             | - | All | All | All |
| Operating System | Qualcomm | Sdx12 Firmware    | - | All | All | All |
| Hardware         | Qualcomm | Sdx20             | - | All | All | All |
| Hardware         | Qualcomm | Sdx20m            | - | All | All | All |
| Operating System | Qualcomm | Sdx20m Firmware   | - | All | All | All |
| Operating System | Qualcomm | Sdx20 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 |
| 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 | Sdxc2 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 | Sd 8cx                | - | All | All | All |
| Operating System | Qualcomm | Sd 8cx Firmware       | - | All | All | All |
| Hardware         | Qualcomm | Sd 8cx Gen2           | - | All | All | All |
| Operating System | Qualcomm | Sd 8cx Gen2 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 | Sm4125                | - | All | All | All |
| Operating System | Qualcomm | Sm4125 Firmware       | - | All | All | All |
| Hardware         | Qualcomm | Sm4375                | - | All | All | All |
| Operating System | Qualcomm | Sm4375 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 | 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 | 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 | Sxr2150p              | - | All | All | All |

|                  |          |                   |   |     |     |     |
|------------------|----------|-------------------|---|-----|-----|-----|
| Operating System | Qualcomm | Sxr2150p Firmware | - | All | All | All |
| Hardware         | Qualcomm | Wcd9326           | - | All | All | All |
| Operating System | Qualcomm | Wcd9326 Firmware  | - | All | All | All |
| Hardware         | Qualcomm | Wcd9330           | - | All | All | All |
| Operating System | Qualcomm | Wcd9330 Firmware  | - | All | All | All |
| Hardware         | Qualcomm | Wcd9335           | - | All | All | All |
| Operating System | Qualcomm | Wcd9335 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 | 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 | Wcn3680b          | - | All | All | All |
| Operating System | Qualcomm | Wcn3680b 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 |

| Category         | Manufacturer | Model            | Version | Platform | Architecture | OS  |
|------------------|--------------|------------------|---------|----------|--------------|-----|
| 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     | 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     | Wsa8835          | -       | All      | All          | All |
| Operating System | Qualcomm     | Wsa8835 Firmware | -       | All      | All          | All |

## References

| Reference                | Source  | Link   | Tags                |
|--------------------------|---------|--|---------------------|
| Qualcomm Documentation   | 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.

## Legacy QID Mappings

[610437](#) Google Android Devices October 2022 Security Patch Missing

[610444](#) Google Android November 2022 Security Patch Missing for Samsung

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