



CVE-2020-11264

[MITRE](#)[NVD](#)[CVE.ORG](#)[Print: PDF !\[\]\(e3f8612927870f2e0f9f5989e6dd3064_img.jpg\)](#)

Summary

| | |
|------------------------|---|
| CVE | CVE-2020-11264 |
| State | PUBLIC |
| Assigner | product-security@qualcomm.com |
| Source Priority | CVE Program / NVD first with legacy fallback |
| Published | 2021-09-08 12:15:00 UTC |
| Updated | 2021-09-14 23:58:00 UTC |
| Description | Improper authentication of Non-EAPOL/WAPI plaintext frames during four-way handshake can lead to arbitrary network pa |

Risk And Classification

Problem Types: CWE-287

NVD Known Affected Configurations (CPE 2.3)

| Type | Vendor | Product | Version | Update | Edition | Language |
|------------------|----------|--------------------|---------|--------|---------|----------|
| Hardware | Qualcomm | Apq8053 | - | All | All | All |
| Operating System | Qualcomm | Apq8053 Firmware | - | All | All | All |
| Hardware | Qualcomm | Apq8064au | - | All | All | All |
| Operating System | Qualcomm | Apq8064au Firmware | - | All | All | All |
| Hardware | Qualcomm | Apq8096au | - | All | All | All |
| Operating System | Qualcomm | Apq8096au Firmware | - | All | All | All |
| Hardware | Qualcomm | Aqt1000 | - | All | All | All |
| Operating System | Qualcomm | Aqt1000 Firmware | - | All | All | All |
| Hardware | Qualcomm | Ar8031 | - | All | All | All |
| Operating System | Qualcomm | Ar8031 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 | Csrb31024 | - | All | All | All |

| | | | | | | |
|------------------|----------|--------------------|---|-----|-----|-----|
| Operating System | Qualcomm | Csrb31024 Firmware | - | All | All | All |
| Hardware | Qualcomm | Mdm9650 | - | All | All | All |
| Operating System | Qualcomm | Mdm9650 Firmware | - | All | All | All |
| Hardware | Qualcomm | Msm8953 | - | All | All | All |
| Operating System | Qualcomm | Msm8953 Firmware | - | All | All | All |
| Hardware | Qualcomm | Msm8996au | - | All | All | All |
| Operating System | Qualcomm | Msm8996au 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 | Qca6164 | - | All | All | All |
| Operating System | Qualcomm | Qca6164 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 | 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 | 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 | Qca6584au | - | All | All | All |
| Operating System | Qualcomm | Qca6584au Firmware | - | All | All | All |
| Hardware | Qualcomm | Qca6595au | - | All | All | All |
| Operating System | Qualcomm | Qca6595au Firmware | - | All | All | All |
| Hardware | Qualcomm | Qca6696 | - | All | All | All |
| Operating System | Qualcomm | Qca6696 Firmware | - | All | All | All |
| Hardware | Qualcomm | Qca8337 | - | All | All | All |
| Operating System | Qualcomm | Qca8337 Firmware | - | All | All | All |
| Hardware | Qualcomm | Qca9377 | - | All | All | All |
| Operating System | Qualcomm | Qca9377 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 | 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 | 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 | Qrb5165 | - | All | All | All |
| Operating System | Qualcomm | Qrb5165 Firmware | - | All | All | All |
| Hardware | Qualcomm | Sa415m | - | All | All | All |
| Operating System | Qualcomm | Sa415m 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 | Sa6155p | - | All | All | All |
| Operating System | Qualcomm | Sa6155p 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 | Sc8280xp | - | All | All | All |
| Operating System | Qualcomm | Sc8280xp 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 | 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 | 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 | Sd835 | - | All | All | All |
| Operating System | Qualcomm | Sd835 Firmware | - | All | All | All |
| Hardware | Qualcomm | Sd845 | - | All | All | All |
| Operating System | Qualcomm | Sd845 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 | 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 | Sdxr2 5g | - | All | All | All |
| Operating System | Qualcomm | Sdxr2 5g 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 | Sm6250 | - | 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 |

| | | | | | | |
|------------------|----------|-------------------|---|-----|-----|-----|
| Operating System | Qualcomm | Sm7325 Firmware | - | 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 | 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 | 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 | 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 |
| 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 | 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 |
|--|---------|--|---------------------|
| August 2021 Security Bulletin Qualcomm | CONFIRM | www.qualcomm.com | |
| CVE Program record | CVE.ORG | www.cve.org | canonical |
| NVD vulnerability detail | NVD | nvd.nist.gov | canonical, analysis |

No vendor comments have been submitted for this CVE.

Legacy QID Mappings

[610373](#) Google Android Devices October 2021 Security Patch Missing

[610381](#) Google Android November 2021 Security Patch Missing for Huawei EMUI

© [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](#)