



# CVE-2023-21649

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

## Summary

|                        |   |
|------------------------|---|
| <b>CVE</b>             | CVE-2023-21649  |
| <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>       | 2023-08-08 10:15:00 UTC   |
| <b>Updated</b>         | 2023-08-10 15:48:00 UTC   |
| <b>Description</b>     | Memory corruption in WLAN while running doDriverCmd for an unspecified command. |

## Risk And Classification

**Problem Types:** CWE-787

## NVD Known Affected Configurations (CPE 2.3)

| Type             | Vendor                   | Product                            | Version | Update | Edition | Language |
|------------------|--------------------------|------------------------------------|---------|--------|---------|----------|
| 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="#">Mdm9628</a>            | -       | All    | All     | All      |
| Operating System | <a href="#">Qualcomm</a> | <a href="#">Mdm9628 Firmware</a>   | -       | All    | All     | All      |
| Hardware         | <a href="#">Qualcomm</a> | <a href="#">Mdm9650</a>            | -       | All    | All     | All      |
| Operating System | <a href="#">Qualcomm</a> | <a href="#">Mdm9650 Firmware</a>   | -       | All    | All     | All      |
| Hardware         | <a href="#">Qualcomm</a> | <a href="#">Qca6390</a>            | -       | All    | All     | All      |
| Operating System | <a href="#">Qualcomm</a> | <a href="#">Qca6390 Firmware</a>   | -       | All    | All     | All      |
| Hardware         | <a href="#">Qualcomm</a> | <a href="#">Qca6391</a>            | -       | All    | All     | All      |
| Operating System | <a href="#">Qualcomm</a> | <a href="#">Qca6391 Firmware</a>   | -       | All    | All     | All      |
| Hardware         | <a href="#">Qualcomm</a> | <a href="#">Qca6420</a>            | -       | All    | All     | All      |
| Operating System | <a href="#">Qualcomm</a> | <a href="#">Qca6420 Firmware</a>   | -       | All    | All     | All      |
| Hardware         | <a href="#">Qualcomm</a> | <a href="#">Qca6421</a>            | -       | All    | All     | All      |
| Operating System | <a href="#">Qualcomm</a> | <a href="#">Qca6421 Firmware</a>   | -       | All    | All     | All      |
| Hardware         | <a href="#">Qualcomm</a> | <a href="#">Qca6426</a>            | -       | 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 | Qca6554a           | - | All | All | All |
| Operating System | Qualcomm | Qca6554a 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 | 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 | 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 | Qcn9074            | - | All | All | All |
| Operating System | Qualcomm | Qcn9074 Firmware   | - | All | All | All |
| Hardware         | Qualcomm | Qcs410             | - | All | All | All |
| Operating System | Qualcomm | Qcs410 Firmware    | - | All | All | All |
| Hardware         | Qualcomm | Qcc610             | - | All | All | All |

|                  |          |                   |   |     |     |     |
|------------------|----------|-------------------|---|-----|-----|-----|
| Hardware         | Qualcomm | QCS610            | - | All | All | All |
| Operating System | Qualcomm | Qcs610 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 | Sa8155p           | - | All | All | All |
| Operating System | Qualcomm | Sa8155p Firmware  | - | All | All | All |
| Hardware         | Qualcomm | Sa8195p           | - | All | All | All |
| Operating System | Qualcomm | Sa8195p Firmware  | - | All | All | All |
| Hardware         | Qualcomm | Sd480             | - | All | All | All |
| Operating System | Qualcomm | Sd480 Firmware    | - | All | All | All |
| Hardware         | Qualcomm | Sd695             | - | All | All | All |
| Operating System | Qualcomm | Sd695 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 | Sda429w           | - | All | All | All |
| Operating System | Qualcomm | Sda429w 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 | Sm4375            | - | All | All | All |
| Operating System | Qualcomm | Sm4375 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 | 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 | Wcn3610           | - | All | All | All |
| Operating System | Qualcomm | Wcn3610 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 | 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 | 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 | 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 | 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   | MISC    | <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

[610499](#) Google Pixel Android August 2023 Security Patch Missing

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