



# CVE-2021-1940

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

## Summary

<b>CVE</b>	CVE-2021-1940
<b>State</b>	PUBLIC
<b>Assigner</b>	product-security@qualcomm.com
<b>Source Priority</b>	CVE Program / NVD first with legacy fallback
<b>Published</b>	2021-07-13 06:15:00 UTC
<b>Updated</b>	2023-06-12 07:15:00 UTC
<b>Description</b>	Use after free can occur due to improper handling of response from firmware in Snapdragon Auto, Snapdragon Compute, S

## Risk And Classification

**Problem Types:** CWE-416

## NVD Known Affected Configurations (CPE 2.3)

Type	Vendor	Product	Version	Update	Edition	Language
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="#">Csra6620</a>	-	All	All	All
Operating System	<a href="#">Qualcomm</a>	<a href="#">Csra6620 Firmware</a>	-	All	All	All
Hardware	<a href="#">Qualcomm</a>	<a href="#">Csra6640</a>	-	All	All	All
Operating System	<a href="#">Qualcomm</a>	<a href="#">Csra6640 Firmware</a>	-	All	All	All
Hardware	<a href="#">Qualcomm</a>	<a href="#">Fsm10055</a>	-	All	All	All
Operating System	<a href="#">Qualcomm</a>	<a href="#">Fsm10055 Firmware</a>	-	All	All	All
Hardware	<a href="#">Qualcomm</a>	<a href="#">Fsm10056</a>	-	All	All	All
Operating System	<a href="#">Qualcomm</a>	<a href="#">Fsm10056 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	Qualcomm	<a href="#">Qca6420 Firmware</a>	-	All	All	All
Hardware	Qualcomm	<a href="#">Qca6430</a>	-	All	All	All
Operating System	Qualcomm	<a href="#">Qca6430 Firmware</a>	-	All	All	All
Hardware	Qualcomm	<a href="#">Qca6564</a>	-	All	All	All
Hardware	Qualcomm	<a href="#">Qca6564a</a>	-	All	All	All
Hardware	Qualcomm	<a href="#">Qca6564au</a>	-	All	All	All
Operating System	Qualcomm	<a href="#">Qca6564au Firmware</a>	-	All	All	All
Operating System	Qualcomm	<a href="#">Qca6564a Firmware</a>	-	All	All	All
Operating System	Qualcomm	<a href="#">Qca6564 Firmware</a>	-	All	All	All
Hardware	Qualcomm	<a href="#">Qca6574</a>	-	All	All	All
Hardware	Qualcomm	<a href="#">Qca6574a</a>	-	All	All	All
Hardware	Qualcomm	<a href="#">Qca6574au</a>	-	All	All	All
Operating System	Qualcomm	<a href="#">Qca6574au Firmware</a>	-	All	All	All
Operating System	Qualcomm	<a href="#">Qca6574a Firmware</a>	-	All	All	All
Operating System	Qualcomm	<a href="#">Qca6574 Firmware</a>	-	All	All	All
Hardware	Qualcomm	<a href="#">Qca6584au</a>	-	All	All	All
Operating System	Qualcomm	<a href="#">Qca6584au Firmware</a>	-	All	All	All
Hardware	Qualcomm	<a href="#">Qca6595au</a>	-	All	All	All
Operating System	Qualcomm	<a href="#">Qca6595au Firmware</a>	-	All	All	All
Hardware	Qualcomm	<a href="#">Qca6696</a>	-	All	All	All
Operating System	Qualcomm	<a href="#">Qca6696 Firmware</a>	-	All	All	All
Hardware	Qualcomm	<a href="#">Qca8337</a>	-	All	All	All
Operating System	Qualcomm	<a href="#">Qca8337 Firmware</a>	-	All	All	All
Hardware	Qualcomm	<a href="#">Qcm6125</a>	-	All	All	All
Operating System	Qualcomm	<a href="#">Qcm6125 Firmware</a>	-	All	All	All
Hardware	Qualcomm	<a href="#">Qcs405</a>	-	All	All	All
Operating System	Qualcomm	<a href="#">Qcs405 Firmware</a>	-	All	All	All
Hardware	Qualcomm	<a href="#">Qcs410</a>	-	All	All	All
Operating System	Qualcomm	<a href="#">Qcs410 Firmware</a>	-	All	All	All
Hardware	Qualcomm	<a href="#">Qcs610</a>	-	All	All	All
Operating System	Qualcomm	<a href="#">Qcs610 Firmware</a>	-	All	All	All
Hardware	Qualcomm	<a href="#">Qcs6125</a>	-	All	All	All
Operating System	Qualcomm	<a href="#">Qcs6125 Firmware</a>	-	All	All	All
Hardware	Qualcomm	<a href="#">Sa415m</a>	-	All	All	All
Operating System	Qualcomm	<a href="#">Sa415m Firmware</a>	-	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	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	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	Sd660	-	All	All	All
Operating System	Qualcomm	Sd660 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	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	Sd855	-	All	All	All
Operating System	Qualcomm	Sd855 Firmware	-	All	All	All
Hardware	Qualcomm	Sda429w	-	All	All	All
Operating System	Qualcomm	Sda429w 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	Sd 675	-	All	All	All
Operating System	Qualcomm	Sd 675 Firmware	-	All	All	All
Hardware	Qualcomm	Sd 8c	-	All	All	All
Hardware	Qualcomm	Sd 8cx	-	All	All	All
Operating System	Qualcomm	Sd 8cx Firmware	-	All	All	All
Operating System	Qualcomm	Sd 8c 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	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	Wcn3610	-	All	All	All
Operating System	Qualcomm	Wcn3610 Firmware	-	All	All	All
Hardware	Qualcomm	Wcn3620	-	All	All	All
Operating System	Qualcomm	Wcn3620 Firmware	-	All	All	All
Hardware	Qualcomm	Wcn3660b	-	All	All	All
Operating System	Qualcomm	Wcn3660b 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	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

## References

Reference	Source	Link	Tags
Qualcomm NPU Use-After-Free / Information Leak ~ Packet Storm	MISC	<a href="https://packetstormsecurity.com">packetstormsecurity.com</a>	
July 2021 Security Bulletin   Qualcomm	CONFIRM	<a href="https://www.qualcomm.com">www.qualcomm.com</a>	
CVE Program record	CVE.ORG	<a href="https://www.cve.org">www.cve.org</a>	canonical
NVD vulnerability detail	NVD	<a href="https://nvd.nist.gov">nvd.nist.gov</a>	canonical, analysis

No vendor comments have been submitted for this CVE.

## Legacy QID Mappings

- [610352](#) Google Android Devices July 2021 Security Patch Missing
- [610359](#) Google Android August 2021 Security Patch Missing for LGE
- [610360](#) Google Android August 2021 Security Patch Missing for Samsung

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