



# CVE-2021-23219

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

## Summary

<b>CVE</b>	CVE-2021-23219
<b>State</b>	PUBLIC
<b>Assigner</b>	psirt@nvidia.com
<b>Source Priority</b>	CVE Program / NVD first with legacy fallback
<b>Published</b>	2021-11-20 15:15:00 UTC
<b>Updated</b>	2022-02-24 19:12:00 UTC
<b>Description</b>	NVIDIA GPU and Tegra hardware contain a vulnerability in the internal microcontroller, which may allow a user with elevate

## Risk And Classification

**Problem Types:** NVD-CWE-noinfo

## NVD Known Affected Configurations (CPE 2.3)

Type	Vendor	Product	Version	Update	Edition	Language
Operating System	<a href="#">Linux</a>	<a href="#">Linux Kernel</a>	-	All	All	All
Operating System	<a href="#">Microsoft</a>	<a href="#">Windows</a>	-	All	All	All
Hardware	<a href="#">Nvidia</a>	<a href="#">Dgx-1 P100</a>	-	All	All	All
Hardware	<a href="#">Nvidia</a>	<a href="#">Dgx-1 V100</a>	-	All	All	All
Hardware	<a href="#">Nvidia</a>	<a href="#">Dgx-2</a>	-	All	All	All
Hardware	<a href="#">Nvidia</a>	<a href="#">Dgx Station A100</a>	-	All	All	All
Hardware	<a href="#">Nvidia</a>	<a href="#">Drive Constellation</a>	-	All	All	All
Hardware	<a href="#">Nvidia</a>	<a href="#">Geforce Gtx 1050</a>	-	All	All	All
Hardware	<a href="#">Nvidia</a>	<a href="#">Geforce Gtx 1050 Ti</a>	-	All	All	All
Hardware	<a href="#">Nvidia</a>	<a href="#">Geforce Gtx 1060</a>	-	All	All	All
Hardware	<a href="#">Nvidia</a>	<a href="#">Geforce Gtx 1070</a>	-	All	All	All
Hardware	<a href="#">Nvidia</a>	<a href="#">Geforce Gtx 1070 Ti</a>	-	All	All	All
Hardware	<a href="#">Nvidia</a>	<a href="#">Geforce Gtx 1080</a>	-	All	All	All
Hardware	<a href="#">Nvidia</a>	<a href="#">Geforce Gtx 1080 Ti</a>	-	All	All	All
Hardware	<a href="#">Nvidia</a>	<a href="#">Geforce Gtx 1650</a>	-	All	All	All
Hardware	<a href="#">Nvidia</a>	<a href="#">Geforce Gtx 1650 Super</a>	-	All	All	All
Hardware	<a href="#">Nvidia</a>	<a href="#">Geforce Gtx 1660</a>	-	All	All	All

Hardware	Nvidia	Geforce Gtx 1660 Super	-	All	All	All
Hardware	Nvidia	Geforce Gtx 1660 Ti	-	All	All	All
Hardware	Nvidia	Geforce Gtx 645	-	All	All	All
Hardware	Nvidia	Geforce Gtx 650	-	All	All	All
Hardware	Nvidia	Geforce Gtx 650 Ti	-	All	All	All
Hardware	Nvidia	Geforce Gtx 650 Ti Boost	-	All	All	All
Hardware	Nvidia	Geforce Gtx 660	-	All	All	All
Hardware	Nvidia	Geforce Gtx 660 Ti	-	All	All	All
Hardware	Nvidia	Geforce Gtx 670	-	All	All	All
Hardware	Nvidia	Geforce Gtx 680	-	All	All	All
Hardware	Nvidia	Geforce Gtx 690	-	All	All	All
Hardware	Nvidia	Geforce Gtx 745	-	All	All	All
Hardware	Nvidia	Geforce Gtx 750	-	All	All	All
Hardware	Nvidia	Geforce Gtx 750 Ti	-	All	All	All
Hardware	Nvidia	Geforce Gtx 760	-	All	All	All
Hardware	Nvidia	Geforce Gtx 760 Ti	-	All	All	All
Hardware	Nvidia	Geforce Gtx 770	-	All	All	All
Hardware	Nvidia	Geforce Gtx 780	-	All	All	All
Hardware	Nvidia	Geforce Gtx 780 Ti	-	All	All	All
Hardware	Nvidia	Geforce Gtx 950	-	All	All	All
Hardware	Nvidia	Geforce Gtx 960	-	All	All	All
Hardware	Nvidia	Geforce Gtx 970	-	All	All	All
Hardware	Nvidia	Geforce Gtx 980	-	All	All	All
Hardware	Nvidia	Geforce Gtx Titan X	-	All	All	All
Hardware	Nvidia	Geforce Gt 605	-	All	All	All
Hardware	Nvidia	Geforce Gt 610	-	All	All	All
Hardware	Nvidia	Geforce Gt 620	-	All	All	All
Hardware	Nvidia	Geforce Gt 625	-	All	All	All
Hardware	Nvidia	Geforce Gt 630	-	All	All	All
Hardware	Nvidia	Geforce Gt 635	-	All	All	All
Hardware	Nvidia	Geforce Gt 640	-	All	All	All
Hardware	Nvidia	Geforce Gt 705	-	All	All	All
Hardware	Nvidia	Geforce Gt 710	-	All	All	All
Hardware	Nvidia	Geforce Gt 720	-	All	All	All
Hardware	Nvidia	Geforce Gt 730	-	All	All	All

Hardware	Nvidia	Geforce Gt 740	-	All	All	All
Hardware	Nvidia	Geforce Rtx 2060	-	All	All	All
Hardware	Nvidia	Geforce Rtx 2060 Super	-	All	All	All
Hardware	Nvidia	Geforce Rtx 2070	-	All	All	All
Hardware	Nvidia	Geforce Rtx 2070 Super	-	All	All	All
Hardware	Nvidia	Geforce Rtx 2080	-	All	All	All
Hardware	Nvidia	Geforce Rtx 2080 Super	-	All	All	All
Hardware	Nvidia	Geforce Rtx 2080 Ti	-	All	All	All
Hardware	Nvidia	Gtx Titan	-	All	All	All
Hardware	Nvidia	Gtx Titan Black	-	All	All	All
Hardware	Nvidia	Gtx Titan Z	-	All	All	All
Hardware	Nvidia	Jetson Agx Xavier 16gb	-	All	All	All
Hardware	Nvidia	Jetson Agx Xavier 32gb	-	All	All	All
Hardware	Nvidia	Jetson Agx Xavier 8gb	-	All	All	All
Hardware	Nvidia	Jetson Nano	-	All	All	All
Hardware	Nvidia	Jetson Nano	-	All	-	All
Hardware	Nvidia	Jetson Nano	-	All	developer_kit	All
Hardware	Nvidia	Jetson Tx1	-	All	All	All
Hardware	Nvidia	Jetson Tx2	-	All	All	All
Hardware	Nvidia	Jetson Tx2i	-	All	All	All
Hardware	Nvidia	Jetson Tx2 4gb	-	All	All	All
Hardware	Nvidia	Jetson Tx2 Nx	-	All	All	All
Hardware	Nvidia	Jetson Xavier Nx	-	All	All	All
Hardware	Nvidia	Jetson Xavier Nx	-	All	developer_kit	All
Hardware	Nvidia	Jetson Xavier Nx	-	All	production	All
Hardware	Nvidia	Nvidia Hgx-2	-	All	All	All
Hardware	Nvidia	Nvidia T1000	-	All	All	All
Hardware	Nvidia	Nvidia T2000	-	All	All	All
Hardware	Nvidia	Nvidia T4	-	All	All	All
Hardware	Nvidia	Nvidia T400	-	All	All	All
Hardware	Nvidia	Nvidia T600	-	All	All	All
Hardware	Nvidia	Quadro Gv100	-	All	All	All
Hardware	Nvidia	Quadro M1000m	-	All	All	All
Hardware	Nvidia	Quadro M1200	-	All	All	All
Hardware	Nvidia	Quadro M2000	-	All	All	All
Hardware	Nvidia	Quadro M2000	-	All	All	All

Hardware	Nvidia	Quadro M2000m	-	All	All	All
Hardware	Nvidia	Quadro M2200	-	All	All	All
Hardware	Nvidia	Quadro M3000m	-	All	All	All
Hardware	Nvidia	Quadro M4000	-	All	All	All
Hardware	Nvidia	Quadro M4000m	-	All	All	All
Hardware	Nvidia	Quadro M5000	-	All	All	All
Hardware	Nvidia	Quadro M5000m	-	All	All	All
Hardware	Nvidia	Quadro M500m	-	All	All	All
Hardware	Nvidia	Quadro M520	-	All	All	All
Hardware	Nvidia	Quadro M5500	-	All	All	All
Hardware	Nvidia	Quadro M6000	-	All	All	All
Hardware	Nvidia	Quadro M600m	-	All	All	All
Hardware	Nvidia	Quadro M620	-	All	All	All
Hardware	Nvidia	Quadro P1000	-	All	All	All
Hardware	Nvidia	Quadro P2000	-	All	All	All
Hardware	Nvidia	Quadro P2200	-	All	All	All
Hardware	Nvidia	Quadro P3000	-	All	All	All
Hardware	Nvidia	Quadro P3200	-	All	All	All
Hardware	Nvidia	Quadro P400	-	All	All	All
Hardware	Nvidia	Quadro P4000	-	All	All	All
Hardware	Nvidia	Quadro P4200	-	All	All	All
Hardware	Nvidia	Quadro P500	-	All	All	All
Hardware	Nvidia	Quadro P5000	-	All	All	All
Hardware	Nvidia	Quadro P520	-	All	All	All
Hardware	Nvidia	Quadro P5200	-	All	All	All
Hardware	Nvidia	Quadro P600	-	All	All	All
Hardware	Nvidia	Quadro P6000	-	All	All	All
Hardware	Nvidia	Quadro P620	-	All	All	All
Hardware	Nvidia	Quadro Rtx 3000	-	All	All	All
Hardware	Nvidia	Quadro Rtx 4000	-	All	All	All
Hardware	Nvidia	Quadro Rtx 5000	-	All	All	All
Hardware	Nvidia	Quadro Rtx 6000	-	All	All	All
Hardware	Nvidia	Quadro Rtx 8000	-	All	All	All
Hardware	Nvidia	Quadro T1000	-	All	All	All
Hardware	Nvidia	Quadro T2000	-	All	All	All
Hardware	Nvidia	Quadro T400	-	All	All	All

Hardware	Nvidia	Quadro T600	-	All	All	All
Hardware	Nvidia	Shield Tv	-	All	All	All
Hardware	Nvidia	Shield Tv Pro	-	All	All	All
Hardware	Nvidia	Tesla M10	-	All	All	All
Hardware	Nvidia	Tesla M4	-	All	All	All
Hardware	Nvidia	Tesla M40	-	All	All	All
Hardware	Nvidia	Tesla M6	-	All	All	All
Hardware	Nvidia	Tesla M60	-	All	All	All
Hardware	Nvidia	Tesla P100	-	All	All	All
Hardware	Nvidia	Tesla P4	-	All	All	All
Hardware	Nvidia	Tesla P40	-	All	All	All
Hardware	Nvidia	Tesla P6	-	All	All	All
Hardware	Nvidia	Tesla V100	-	All	All	All
Hardware	Nvidia	Tesla V100s	-	All	All	All
Hardware	Nvidia	Titan Rtx	-	All	All	All
Hardware	Nvidia	Titan V	-	All	All	All
Hardware	Nvidia	Titan X	-	All	All	All
Hardware	Nvidia	Titan Xp	-	All	All	All

## References

Reference	Source	Link	Tags
Security Notice: NVIDIA GPU and Tegra Hardware - November 2021   NVIDIA	CONFIRM	<a href="https://nvidia.custhelp.com">nvidia.custhelp.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.

There are currently no legacy QID mappings associated with this CVE.

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