



CVE-2021-23217

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

Summary

| | |
|------------------------|--|
| CVE | CVE-2021-23217 |
| State | PUBLIC |
| Assigner | psirt@nvidia.com |
| Source Priority | CVE Program / NVD first with legacy fallback |
| Published | 2021-11-20 15:15:00 UTC |
| Updated | 2022-02-24 19:13:00 UTC |
| Description | 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 | Linux | Linux Kernel | - | All | All | All |
| Operating System | Microsoft | Windows | - | 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 | Gtx Titan | - | All | All | All |
| Hardware | Nvidia | Gtx Titan Black | - | All | All | All |
| Hardware | Nvidia | Gtx Titan Z | - | 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 | Quadro M1000m | - | All | All | All |
| Hardware | Nvidia | Quadro M1200 | - | 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 | 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 |

References

| Reference | Source | Link | Tags |
|---|---------|---|---------------------|
| Security Notice: NVIDIA GPU and Tegra Hardware - November 2021 NVIDIA | CONFIRM | nvidia.custhelp.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.

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

© [CVE.report](https://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](https://mitre.org) and the authoritative source of CVE content is [MITRE's CVE web site](https://mitre.org/cve). This site includes MITRE data granted under the following [license](https://mitre.org/licenses).

CVE.report and Source URL Uptime Status status.cve.report