



# CVE-2019-13991

[MITRE](#)[NVD](#)[CVE.ORG](#)[Print: PDF !\[\]\(e3f8612927870f2e0f9f5989e6dd3064\_img.jpg\)](#)

## Summary

<b>CVE</b>	CVE-2019-13991
<b>State</b>	PUBLIC
<b>Assigner</b>	cve@mitre.org
<b>Source Priority</b>	CVE Program / NVD first with legacy fallback
<b>Published</b>	2019-07-19 21:15:00 UTC
<b>Updated</b>	2020-08-24 17:37:00 UTC
<b>Description</b>	Embedded systems based on Arduino before Rev3 allow remote attackers to send data to LEDs (directly connected to GPI

## Risk And Classification

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

## NVD Known Affected Configurations (CPE 2.3)

Type	Vendor	Product	Version	Update	Edition	Language
Hardware	<a href="#">Arduino</a>	<a href="#">Arduino</a>	-	All	All	All
Hardware	<a href="#">Arduino</a>	<a href="#">Arduino</a>	-	All	All	All
Operating System	<a href="#">Arduino</a>	<a href="#">Arduino Firmware</a>	All	All	All	All
Operating System	<a href="#">Arduino</a>	<a href="#">Arduino Firmware</a>	All	All	All	All

## References

Reference	Source	Link
[1907.00479] ("Oops! Had the silly thing in reverse")---Optical injection attacks in through LED status indicators	MISC	<a href="#">arxiv.org</a>
CVE Program record	CVE.ORG	<a href="#">www.cve.org</a>
NVD vulnerability detail	NVD	<a href="#">nvd.nist.gov</a>

No vendor comments have been submitted for this CVE.

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

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