



# CVE-2021-3463

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## Summary

<b>CVE</b>	CVE-2021-3463
<b>State</b>	PUBLIC
<b>Assigner</b>	psirt@lenovo.com
<b>Source Priority</b>	CVE Program / NVD first with legacy fallback
<b>Published</b>	2021-04-13 21:15:00 UTC
<b>Updated</b>	2021-04-23 19:36:00 UTC
<b>Description</b>	A null pointer dereference vulnerability in Lenovo Power Management Driver for Windows 10, prior to version 1.67.17.54, th

## Risk And Classification

**Problem Types:** CWE-476

## NVD Known Affected Configurations (CPE 2.3)

Type	Vendor	Product	Version	Update	Edition	Language
Application	<a href="#">Lenovo</a>	<a href="#">Power Management Driver</a>	All	All	All	All
Hardware	<a href="#">Lenovo</a>	<a href="#">Thinkpad 11e Gen 5</a>	-	All	All	All
Hardware	<a href="#">Lenovo</a>	<a href="#">Thinkpad 11e Yoga Gen 6</a>	-	All	All	All
Hardware	<a href="#">Lenovo</a>	<a href="#">Thinkpad 13 Gen 2</a>	-	All	All	All
Hardware	<a href="#">Lenovo</a>	<a href="#">Thinkpad 25</a>	-	All	All	All
Hardware	<a href="#">Lenovo</a>	<a href="#">Thinkpad A275</a>	-	All	All	All
Hardware	<a href="#">Lenovo</a>	<a href="#">Thinkpad A285</a>	-	All	All	All
Hardware	<a href="#">Lenovo</a>	<a href="#">Thinkpad A475</a>	-	All	All	All
Hardware	<a href="#">Lenovo</a>	<a href="#">Thinkpad A485</a>	-	All	All	All
Hardware	<a href="#">Lenovo</a>	<a href="#">Thinkpad E14</a>	-	All	All	All
Hardware	<a href="#">Lenovo</a>	<a href="#">Thinkpad E14 Gen2</a>	-	All	All	All
Hardware	<a href="#">Lenovo</a>	<a href="#">Thinkpad E15</a>	-	All	All	All
Hardware	<a href="#">Lenovo</a>	<a href="#">Thinkpad E15 Gen2</a>	-	All	All	All
Hardware	<a href="#">Lenovo</a>	<a href="#">Thinkpad E470</a>	-	All	All	All
Hardware	<a href="#">Lenovo</a>	<a href="#">Thinkpad E470c</a>	-	All	All	All
Hardware	<a href="#">Lenovo</a>	<a href="#">Thinkpad E475</a>	-	All	All	All
Hardware	<a href="#">Lenovo</a>	<a href="#">Thinkpad E480</a>	-	All	All	All

Hardware	Lenovo	Thinkpad E490	-	All	All	All
Hardware	Lenovo	Thinkpad E495	-	All	All	All
Hardware	Lenovo	Thinkpad E570	-	All	All	All
Hardware	Lenovo	Thinkpad E570c	-	All	All	All
Hardware	Lenovo	Thinkpad E575	-	All	All	All
Hardware	Lenovo	Thinkpad E580	-	All	All	All
Hardware	Lenovo	Thinkpad E590	-	All	All	All
Hardware	Lenovo	Thinkpad E595	-	All	All	All
Hardware	Lenovo	Thinkpad L13	-	All	All	All
Hardware	Lenovo	Thinkpad L13 Gen 1	-	All	All	All
Hardware	Lenovo	Thinkpad L13 Gen 2	-	All	All	All
Hardware	Lenovo	Thinkpad L13 Yoga	-	All	All	All
Hardware	Lenovo	Thinkpad L13 Yoga Gen 1	-	All	All	All
Hardware	Lenovo	Thinkpad L13 Yoga Gen 2	-	All	All	All
Hardware	Lenovo	Thinkpad L14 Gen 1	-	All	All	All
Hardware	Lenovo	Thinkpad L14 Gen 2	-	All	All	All
Hardware	Lenovo	Thinkpad L15 Gen 1	-	All	All	All
Hardware	Lenovo	Thinkpad L15 Gen 2	-	All	All	All
Hardware	Lenovo	Thinkpad L380	-	All	All	All
Hardware	Lenovo	Thinkpad L380 Yoga	-	All	All	All
Hardware	Lenovo	Thinkpad L390	-	All	All	All
Hardware	Lenovo	Thinkpad L390 Yoga	-	All	All	All
Hardware	Lenovo	Thinkpad L470	-	All	All	All
Hardware	Lenovo	Thinkpad L480	-	All	All	All
Hardware	Lenovo	Thinkpad L490	-	All	All	All
Hardware	Lenovo	Thinkpad L570	-	All	All	All
Hardware	Lenovo	Thinkpad L580	-	All	All	All
Hardware	Lenovo	Thinkpad L590	-	All	All	All
Hardware	Lenovo	Thinkpad P1	-	All	All	All
Hardware	Lenovo	Thinkpad P14s Gen 1	-	All	All	All
Hardware	Lenovo	Thinkpad P14s Gen 2	-	All	All	All
Hardware	Lenovo	Thinkpad P15s Gen 1	-	All	All	All
Hardware	Lenovo	Thinkpad P15s Gen 2	-	All	All	All
Hardware	Lenovo	Thinkpad P15v Gen 1	-	All	All	All
Hardware	Lenovo	Thinkpad P15 Gen 1	-	All	All	All

Hardware	Lenovo	Thinkpad P17 Gen 1	-	All	All	All
Hardware	Lenovo	Thinkpad P1 Gen 2	-	All	All	All
Hardware	Lenovo	Thinkpad P1 Gen 3	-	All	All	All
Hardware	Lenovo	Thinkpad P43s	-	All	All	All
Hardware	Lenovo	Thinkpad P51	-	All	All	All
Hardware	Lenovo	Thinkpad P51s	-	All	All	All
Hardware	Lenovo	Thinkpad P52	-	All	All	All
Hardware	Lenovo	Thinkpad P52s	-	All	All	All
Hardware	Lenovo	Thinkpad P53	-	All	All	All
Hardware	Lenovo	Thinkpad P53s	-	All	All	All
Hardware	Lenovo	Thinkpad P71	-	All	All	All
Hardware	Lenovo	Thinkpad P72	-	All	All	All
Hardware	Lenovo	Thinkpad P73	-	All	All	All
Hardware	Lenovo	Thinkpad R14	-	All	All	All
Hardware	Lenovo	Thinkpad R14 Gen 2	-	All	All	All
Hardware	Lenovo	Thinkpad R480	-	All	All	All
Hardware	Lenovo	Thinkpad S1 Gen 4	-	All	All	All
Hardware	Lenovo	Thinkpad S2 Gen 2	-	All	All	All
Hardware	Lenovo	Thinkpad S2 Gen 5	-	All	All	All
Hardware	Lenovo	Thinkpad S2 Gen 6	-	All	All	All
Hardware	Lenovo	Thinkpad S2 Yoga Gen 5	-	All	All	All
Hardware	Lenovo	Thinkpad S2 Yoga Gen 6	-	All	All	All
Hardware	Lenovo	Thinkpad S3 Gen 2	-	All	All	All
Hardware	Lenovo	Thinkpad S5 Gen 2	-	All	All	All
Hardware	Lenovo	Thinkpad T14s Gen 1	-	All	All	All
Hardware	Lenovo	Thinkpad T14s Gen 2i	-	All	All	All
Hardware	Lenovo	Thinkpad T14 Gen 1	-	All	All	All
Hardware	Lenovo	Thinkpad T14 Gen 2	-	All	All	All
Hardware	Lenovo	Thinkpad T15g Gen 1	-	All	All	All
Hardware	Lenovo	Thinkpad T15p Gen 1	-	All	All	All
Hardware	Lenovo	Thinkpad T15 Gen 1	-	All	All	All
Hardware	Lenovo	Thinkpad T15 Gen 2	-	All	All	All
Hardware	Lenovo	Thinkpad T470	-	All	All	All
Hardware	Lenovo	Thinkpad T470p	-	All	All	All
Hardware	Lenovo	Thinkpad T470s	-	All	All	All

Hardware	Lenovo	Thinkpad 1480	-	All	All	All
Hardware	Lenovo	Thinkpad T480s	-	All	All	All
Hardware	Lenovo	Thinkpad T490	-	All	All	All
Hardware	Lenovo	Thinkpad T490s	-	All	All	All
Hardware	Lenovo	Thinkpad T495	-	All	All	All
Hardware	Lenovo	Thinkpad T570	-	All	All	All
Hardware	Lenovo	Thinkpad T580	-	All	All	All
Hardware	Lenovo	Thinkpad T590	-	All	All	All
Hardware	Lenovo	Thinkpad X12	-	All	All	All
Hardware	Lenovo	Thinkpad X13 Gen 1	-	All	All	All
Hardware	Lenovo	Thinkpad X13 Gen 2i	-	All	All	All
Hardware	Lenovo	Thinkpad X13 Yoga Gen 1	-	All	All	All
Hardware	Lenovo	Thinkpad X13 Yoga Gen 2	-	All	All	All
Hardware	Lenovo	Thinkpad X1 Carbon Gen 5	-	All	All	All
Hardware	Lenovo	Thinkpad X1 Carbon Gen 6	-	All	All	All
Hardware	Lenovo	Thinkpad X1 Carbon Gen 7	-	All	All	All
Hardware	Lenovo	Thinkpad X1 Carbon Gen 8	-	All	All	All
Hardware	Lenovo	Thinkpad X1 Carbon Gen 9	-	All	All	All
Hardware	Lenovo	Thinkpad X1 Extreme	-	All	All	All
Hardware	Lenovo	Thinkpad X1 Extreme 2nd	-	All	All	All
Hardware	Lenovo	Thinkpad X1 Extreme Gen 3	-	All	All	All
Hardware	Lenovo	Thinkpad X1 Nano Gen 1	-	All	All	All
Hardware	Lenovo	Thinkpad X1 Tablet Gen 2	-	All	All	All
Hardware	Lenovo	Thinkpad X1 Tablet Gen 3	-	All	All	All
Hardware	Lenovo	Thinkpad X1 Titanium Gen 1	-	All	All	All
Hardware	Lenovo	Thinkpad X1 Yoga Gen 2	-	All	All	All
Hardware	Lenovo	Thinkpad X1 Yoga Gen 3	-	All	All	All
Hardware	Lenovo	Thinkpad X1 Yoga Gen 4	-	All	All	All
Hardware	Lenovo	Thinkpad X1 Yoga Gen 5	-	All	All	All
Hardware	Lenovo	Thinkpad X1 Yoga Gen 6	-	All	All	All
Hardware	Lenovo	Thinkpad X270	-	All	All	All
Hardware	Lenovo	Thinkpad X280	-	All	All	All
Hardware	Lenovo	Thinkpad X380 Yoga	-	All	All	All
Hardware	Lenovo	Thinkpad X390	-	All	All	All
Hardware	Lenovo	Thinkpad X390 Yoga	-	All	All	All
Hardware	Lenovo	Thinkpad X395	-	All	All	All

Hardware	Lenovo	Thinkpad Yoga 11e Gen 5	-	All	All	All
Hardware	Lenovo	Thinkpad Yoga 370	-	All	All	All

## References

Reference	Source	Link	Tags
Lenovo Power Management Driver Vulnerabilities - Lenovo Support US	MISC	<a href="https://support.lenovo.com">support.lenovo.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

## Vendor Comments And Credit

### Discovery Credit

**LEGACY:** Lenovo thanks Aobo Wang of Chaitin Security Research Lab for reporting these issues.

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

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