



# CVE-2023-2290

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## Summary

<b>CVE</b>	CVE-2023-2290
<b>State</b>	PUBLIC
<b>Assigner</b>	psirt@lenovo.com
<b>Source Priority</b>	CVE Program / NVD first with legacy fallback
<b>Published</b>	2023-06-26 20:15:00 UTC
<b>Updated</b>	2023-07-05 17:22:00 UTC
<b>Description</b>	A potential vulnerability in the LenovoFlashDeviceInterface SMI handler may allow an attacker with local access and elevat

## 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="#">Lenovo</a>	<a href="#">Thinkpad E14</a>	-	All	All	All
Operating System	<a href="#">Lenovo</a>	<a href="#">Thinkpad E14 Firmware</a>	1.23	All	All	All
Hardware	<a href="#">Lenovo</a>	<a href="#">Thinkpad E14 Gen 2</a>	-	All	All	All
Operating System	<a href="#">Lenovo</a>	<a href="#">Thinkpad E14 Gen 2 Firmware</a>	1.55	All	All	All
Hardware	<a href="#">Lenovo</a>	<a href="#">Thinkpad E14 Gen 4</a>	-	All	All	All
Operating System	<a href="#">Lenovo</a>	<a href="#">Thinkpad E14 Gen 4 Firmware</a>	1.16	All	All	All
Operating System	<a href="#">Lenovo</a>	<a href="#">Thinkpad E14 Gen 4 Firmware</a>	1.18	All	All	All
Hardware	<a href="#">Lenovo</a>	<a href="#">Thinkpad E15</a>	-	All	All	All
Operating System	<a href="#">Lenovo</a>	<a href="#">Thinkpad E15 Firmware</a>	1.23	All	All	All
Hardware	<a href="#">Lenovo</a>	<a href="#">Thinkpad E15 Gen 2</a>	-	All	All	All
Operating System	<a href="#">Lenovo</a>	<a href="#">Thinkpad E15 Gen 2 Firmware</a>	1.55	All	All	All
Hardware	<a href="#">Lenovo</a>	<a href="#">Thinkpad E15 Gen 4</a>	-	All	All	All
Operating System	<a href="#">Lenovo</a>	<a href="#">Thinkpad E15 Gen 4 Firmware</a>	1.16	All	All	All
Operating System	<a href="#">Lenovo</a>	<a href="#">Thinkpad E15 Gen 4 Firmware</a>	1.18	All	All	All
Hardware	<a href="#">Lenovo</a>	<a href="#">Thinkpad E490</a>	-	All	All	All
Hardware	<a href="#">Lenovo</a>	<a href="#">Thinkpad E490s</a>	-	All	All	All
Operating System	<a href="#">Lenovo</a>	<a href="#">Thinkpad E490s Firmware</a>	1.34	All	All	All

Operating System	Lenovo	Thinkpad E490 Firmware	1.34	All	All	All
Hardware	Lenovo	Thinkpad E590	-	All	All	All
Operating System	Lenovo	Thinkpad E590 Firmware	1.34	All	All	All
Hardware	Lenovo	Thinkpad L13 Gen 3	-	All	All	All
Operating System	Lenovo	Thinkpad L13 Gen 3 Firmware	1.14	All	All	All
Hardware	Lenovo	Thinkpad L13 Yoga Gen 3	-	All	All	All
Operating System	Lenovo	Thinkpad L13 Yoga Gen 3 Firmware	1.14	All	All	All
Hardware	Lenovo	Thinkpad L14	-	All	All	All
Operating System	Lenovo	Thinkpad L14 Firmware	1.2	All	All	All
Operating System	Lenovo	Thinkpad L14 Firmware	1.26	All	All	All
Operating System	Lenovo	Thinkpad L14 Firmware	1.3	All	All	All
Operating System	Lenovo	Thinkpad L14 Firmware	1.48	All	All	All
Operating System	Lenovo	Thinkpad L14 Firmware	1.61	All	All	All
Hardware	Lenovo	Thinkpad L15	-	All	All	All
Operating System	Lenovo	Thinkpad L15 Firmware	1.2	All	All	All
Operating System	Lenovo	Thinkpad L15 Firmware	1.3	All	All	All
Hardware	Lenovo	Thinkpad L15 Gen 2	-	All	All	All
Operating System	Lenovo	Thinkpad L15 Gen 2 Firmware	1.48	All	All	All
Operating System	Lenovo	Thinkpad L15 Gen 2 Firmware	1.61	All	All	All
Hardware	Lenovo	Thinkpad L15 Gen 3	-	All	All	All
Operating System	Lenovo	Thinkpad L15 Gen 3 Firmware	1.26	All	All	All
Hardware	Lenovo	Thinkpad L490	-	All	All	All
Operating System	Lenovo	Thinkpad L490 Firmware	1.32	All	All	All
Hardware	Lenovo	Thinkpad L590	-	All	All	All
Operating System	Lenovo	Thinkpad L590 Firmware	1.32	All	All	All
Hardware	Lenovo	Thinkpad P14s Gen 1	-	All	All	All
Operating System	Lenovo	Thinkpad P14s Gen 1 Firmware	1.28	All	All	All
Hardware	Lenovo	Thinkpad P14s Gen 2	-	All	All	All
Operating System	Lenovo	Thinkpad P14s Gen 2 Firmware	1.05	All	All	All
Operating System	Lenovo	Thinkpad P14s Gen 2 Firmware	1.34	All	All	All
Operating System	Lenovo	Thinkpad P14s Gen 2 Firmware	1.55	All	All	All
Hardware	Lenovo	Thinkpad P14s Gen 3	-	All	All	All
Operating System	Lenovo	Thinkpad P14s Gen 3 Firmware	1.11	All	All	All
Operating System	Lenovo	Thinkpad P14s Gen 3 Firmware	1.31	All	All	All
Hardware	Lenovo	Thinkpad P15s Gen 1	-	All	All	All

Operating System	Lenovo	Thinkpad P15s Gen 1 Firmware	1.28	All	All	All
Hardware	Lenovo	Thinkpad P15s Gen 2	-	All	All	All
Operating System	Lenovo	Thinkpad P15s Gen 2 Firmware	1.05	All	All	All
Operating System	Lenovo	Thinkpad P15s Gen 2 Firmware	1.55	All	All	All
Hardware	Lenovo	Thinkpad P15v Gen 1	-	All	All	All
Operating System	Lenovo	Thinkpad P15v Gen 1 Firmware	1.32	All	All	All
Hardware	Lenovo	Thinkpad P15v Gen 2	-	All	All	All
Operating System	Lenovo	Thinkpad P15v Gen 2 Firmware	1.19	All	All	All
Hardware	Lenovo	Thinkpad P15v Gen 3	-	All	All	All
Operating System	Lenovo	Thinkpad P15v Gen 3 Firmware	1.15	All	All	All
Hardware	Lenovo	Thinkpad P15 Gen 1	-	All	All	All
Operating System	Lenovo	Thinkpad P15 Gen 1 Firmware	1.32	All	All	All
Hardware	Lenovo	Thinkpad P15 Gen 2	-	All	All	All
Operating System	Lenovo	Thinkpad P15 Gen 2 Firmware	1.25	All	All	All
Hardware	Lenovo	Thinkpad P16s Gen 1	-	All	All	All
Operating System	Lenovo	Thinkpad P16s Gen 1 Firmware	1.11	All	All	All
Operating System	Lenovo	Thinkpad P16s Gen 1 Firmware	1.31	All	All	All
Hardware	Lenovo	Thinkpad P16 Gen 1	-	All	All	All
Operating System	Lenovo	Thinkpad P16 Gen 1 Firmware	1.17	All	All	All
Hardware	Lenovo	Thinkpad P17 Gen 1	-	All	All	All
Operating System	Lenovo	Thinkpad P17 Gen 1 Firmware	1.32	All	All	All
Hardware	Lenovo	Thinkpad P17 Gen 2	-	All	All	All
Operating System	Lenovo	Thinkpad P17 Gen 2 Firmware	1.25	All	All	All
Hardware	Lenovo	Thinkpad P1 Gen 2	-	All	All	All
Operating System	Lenovo	Thinkpad P1 Gen 2 Firmware	1.46	All	All	All
Hardware	Lenovo	Thinkpad P1 Gen 3	-	All	All	All
Operating System	Lenovo	Thinkpad P1 Gen 3 Firmware	1.27	All	All	All
Hardware	Lenovo	Thinkpad P1 Gen 4	-	All	All	All
Operating System	Lenovo	Thinkpad P1 Gen 4 Firmware	1.22	All	All	All
Hardware	Lenovo	Thinkpad P1 Gen 5	-	All	All	All
Operating System	Lenovo	Thinkpad P1 Gen 5 Firmware	1.16	All	All	All
Hardware	Lenovo	Thinkpad P43s	-	All	All	All
Operating System	Lenovo	Thinkpad P43s Firmware	1.21	All	All	All
Operating System	Lenovo	Thinkpad P43s Firmware	1.79	All	All	All
Hardware	Lenovo	Thinkpad P53	-	All	All	All

Hardware	Lenovo	Thinkpad P53s	-	All	All	All
Operating System	Lenovo	Thinkpad P53s Firmware	1.21	All	All	All
Operating System	Lenovo	Thinkpad P53s Firmware	1.79	All	All	All
Operating System	Lenovo	Thinkpad P53 Firmware	1.4	All	All	All
Hardware	Lenovo	Thinkpad P73	-	All	All	All
Operating System	Lenovo	Thinkpad P73 Firmware	1.4	All	All	All
Hardware	Lenovo	Thinkpad T14s	-	All	All	All
Operating System	Lenovo	Thinkpad T14s Firmware	1.26	All	All	All
Hardware	Lenovo	Thinkpad T14s Gen 2	-	All	All	All
Operating System	Lenovo	Thinkpad T14s Gen 2 Firmware	1.37	All	All	All
Operating System	Lenovo	Thinkpad T14s Gen 2 Firmware	1.51	All	All	All
Hardware	Lenovo	Thinkpad T14s Gen 3	-	All	All	All
Operating System	Lenovo	Thinkpad T14s Gen 3 Firmware	1.33	All	All	All
Hardware	Lenovo	Thinkpad T14 Gen 1	-	All	All	All
Operating System	Lenovo	Thinkpad T14 Gen 1 Firmware	1.28	All	All	All
Hardware	Lenovo	Thinkpad T14 Gen 2	-	All	All	All
Operating System	Lenovo	Thinkpad T14 Gen 2 Firmware	1.05	All	All	All
Operating System	Lenovo	Thinkpad T14 Gen 2 Firmware	1.34	All	All	All
Operating System	Lenovo	Thinkpad T14 Gen 2 Firmware	1.55	All	All	All
Hardware	Lenovo	Thinkpad T14 Gen 3	-	All	All	All
Operating System	Lenovo	Thinkpad T14 Gen 3 Firmware	1.11	All	All	All
Operating System	Lenovo	Thinkpad T14 Gen 3 Firmware	1.31	All	All	All
Hardware	Lenovo	Thinkpad T15	-	All	All	All
Hardware	Lenovo	Thinkpad T15g Gen 1	-	All	All	All
Operating System	Lenovo	Thinkpad T15g Gen 1 Firmware	1.32	All	All	All
Hardware	Lenovo	Thinkpad T15g Gen 2	-	All	All	All
Operating System	Lenovo	Thinkpad T15g Gen 2 Firmware	1.25	All	All	All
Hardware	Lenovo	Thinkpad T15p Gen 1	-	All	All	All
Operating System	Lenovo	Thinkpad T15p Gen 1 Firmware	1.32	All	All	All
Hardware	Lenovo	Thinkpad T15p Gen 2	-	All	All	All
Operating System	Lenovo	Thinkpad T15p Gen 2 Firmware	1.19	All	All	All
Hardware	Lenovo	Thinkpad T15p Gen 3	-	All	All	All
Operating System	Lenovo	Thinkpad T15p Gen 3 Firmware	1.15	All	All	All
Operating System	Lenovo	Thinkpad T15 Firmware	1.28	All	All	All
Hardware	Lenovo	Thinkpad T15 Gen 2	-	All	All	All
Operating System	Lenovo	Thinkpad T15 Gen 2 Firmware	1.05	All	All	All

Operating System	Lenovo	Thinkpad T15 Gen 2 Firmware	1.55	All	All	All
Hardware	Lenovo	Thinkpad T16 Gen 1	-	All	All	All
Operating System	Lenovo	Thinkpad T16 Gen 1 Firmware	1.11	All	All	All
Operating System	Lenovo	Thinkpad T16 Gen 1 Firmware	1.31	All	All	All
Hardware	Lenovo	Thinkpad T490	-	All	All	All
Hardware	Lenovo	Thinkpad T490s	-	All	All	All
Operating System	Lenovo	Thinkpad T490s Firmware	1.24	All	All	All
Operating System	Lenovo	Thinkpad T490s Firmware	1.79	All	All	All
Operating System	Lenovo	Thinkpad T490 Firmware	1.21	All	All	All
Operating System	Lenovo	Thinkpad T490 Firmware	1.79	All	All	All
Hardware	Lenovo	Thinkpad T590	-	All	All	All
Operating System	Lenovo	Thinkpad T590 Firmware	1.21	All	All	All
Operating System	Lenovo	Thinkpad T590 Firmware	1.79	All	All	All
Hardware	Lenovo	Thinkpad Thinkpad R14 Gen 2	-	All	All	All
Operating System	Lenovo	Thinkpad Thinkpad R14 Gen 2 Firmware	1.55	All	All	All
Hardware	Lenovo	Thinkpad Thinkpad R14 Gen 4	-	All	All	All
Operating System	Lenovo	Thinkpad Thinkpad R14 Gen 4 Firmware	1.18	All	All	All
Hardware	Lenovo	Thinkpad Thinkpad S3 2nd Gen	-	All	All	All
Operating System	Lenovo	Thinkpad Thinkpad S3 2nd Gen Firmware	1.23	All	All	All
Hardware	Lenovo	Thinkpad X12 Detachable Gen 1	-	All	All	All
Operating System	Lenovo	Thinkpad X12 Detachable Gen 1 Firmware	1.28	All	All	All
Hardware	Lenovo	Thinkpad X13	-	All	All	All
Operating System	Lenovo	Thinkpad X13 Firmware	1.26	All	All	All
Hardware	Lenovo	Thinkpad X13 Gen 2	-	All	All	All
Operating System	Lenovo	Thinkpad X13 Gen 2 Firmware	1.37	All	All	All
Operating System	Lenovo	Thinkpad X13 Gen 2 Firmware	1.51	All	All	All
Hardware	Lenovo	Thinkpad X13 Gen 3	-	All	All	All
Operating System	Lenovo	Thinkpad X13 Gen 3 Firmware	1.33	All	All	All
Hardware	Lenovo	Thinkpad X13 Yoga Gen 1	-	All	All	All
Operating System	Lenovo	Thinkpad X13 Yoga Gen 1 Firmware	1.45	All	All	All
Hardware	Lenovo	Thinkpad X13 Yoga Gen 2	-	All	All	All
Operating System	Lenovo	Thinkpad X13 Yoga Gen 2 Firmware	1.4	All	All	All
Hardware	Lenovo	Thinkpad X13 Yoga Gen 3	-	All	All	All
Operating System	Lenovo	Thinkpad X13 Yoga Gen 3 Firmware	1.09	All	All	All
Hardware	Lenovo	Thinkpad X1 Carbon 10th Gen	-	All	All	All

Operating System	Lenovo	Thinkpad X1 Carbon 10th Gen Firmware	1.37	All	All	All
Hardware	Lenovo	Thinkpad X1 Carbon 7th Gen	-	All	All	All
Operating System	Lenovo	Thinkpad X1 Carbon 7th Gen Firmware	1.45	All	All	All
Operating System	Lenovo	Thinkpad X1 Carbon 7th Gen Firmware	1.56	All	All	All
Hardware	Lenovo	Thinkpad X1 Carbon 8th Gen	-	All	All	All
Operating System	Lenovo	Thinkpad X1 Carbon 8th Gen Firmware	1.15	All	All	All
Operating System	Lenovo	Thinkpad X1 Carbon 8th Gen Firmware	1.30	All	All	All
Hardware	Lenovo	Thinkpad X1 Carbon 9th Gen	-	All	All	All
Operating System	Lenovo	Thinkpad X1 Carbon 9th Gen Firmware	1.59	All	All	All
Hardware	Lenovo	Thinkpad X1 Extreme 2nd Gen	-	All	All	All
Operating System	Lenovo	Thinkpad X1 Extreme 2nd Gen Firmware	1.46	All	All	All
Hardware	Lenovo	Thinkpad X1 Extreme 3rd Gen	-	All	All	All
Operating System	Lenovo	Thinkpad X1 Extreme 3rd Gen Firmware	1.27	All	All	All
Hardware	Lenovo	Thinkpad X1 Extreme 4th Gen	-	All	All	All
Operating System	Lenovo	Thinkpad X1 Extreme 4th Gen Firmware	1.22	All	All	All
Hardware	Lenovo	Thinkpad X1 Extreme Gen 5	-	All	All	All
Operating System	Lenovo	Thinkpad X1 Extreme Gen 5 Firmware	1.16	All	All	All
Hardware	Lenovo	Thinkpad X1 Nano Gen 1	-	All	All	All
Operating System	Lenovo	Thinkpad X1 Nano Gen 1 Firmware	1.55	All	All	All
Hardware	Lenovo	Thinkpad X1 Nano Gen 2	-	All	All	All
Operating System	Lenovo	Thinkpad X1 Nano Gen 2 Firmware	1.18	All	All	All
Hardware	Lenovo	Thinkpad X1 Titanium	-	All	All	All
Operating System	Lenovo	Thinkpad X1 Titanium Firmware	1.24	All	All	All
Hardware	Lenovo	Thinkpad X1 Yoga 4th Gen	-	All	All	All
Operating System	Lenovo	Thinkpad X1 Yoga 4th Gen Firmware	1.45	All	All	All
Operating System	Lenovo	Thinkpad X1 Yoga 4th Gen Firmware	1.56	All	All	All
Hardware	Lenovo	Thinkpad X1 Yoga 5th Gen	-	All	All	All
Operating System	Lenovo	Thinkpad X1 Yoga 5th Gen Firmware	1.15	All	All	All
Operating System	Lenovo	Thinkpad X1 Yoga 5th Gen Firmware	1.30	All	All	All
Hardware	Lenovo	Thinkpad X1 Yoga 6th Gen	-	All	All	All
Operating System	Lenovo	Thinkpad X1 Yoga 6th Gen Firmware	1.59	All	All	All
Hardware	Lenovo	Thinkpad X1 Yoga 7th Gen	-	All	All	All
Operating System	Lenovo	Thinkpad X1 Yoga 7th Gen Firmware	1.37	All	All	All
Hardware	Lenovo	Thinkpad X390	-	All	All	All
Operating System	Lenovo	Thinkpad X390 Firmware	1.24	All	All	All
Operating System	Lenovo	Thinkpad X390 Firmware	1.30	All	All	All

Operating System	<a href="#">Lenovo</a>	<a href="#">Thinkpad X390 Firmware</a>	1.79	All	All	All
Operating System	<a href="#">Lenovo</a>	<a href="#">Thinkpad X390 Firmware</a>	1.79_1.24	All	All	All
Hardware	<a href="#">Lenovo</a>	<a href="#">Thinkpad X390 Yoga</a>	-	All	All	All
Operating System	<a href="#">Lenovo</a>	<a href="#">Thinkpad X390 Yoga Firmware</a>	1.95	All	All	All
Hardware	<a href="#">Lenovo</a>	<a href="#">Thinkpad Z13 Gen 1</a>	-	All	All	All
Operating System	<a href="#">Lenovo</a>	<a href="#">Thinkpad Z13 Gen 1 Firmware</a>	1.57	All	All	All
Hardware	<a href="#">Lenovo</a>	<a href="#">Thinkpad Z16 Gen 1</a>	-	All	All	All
Operating System	<a href="#">Lenovo</a>	<a href="#">Thinkpad Z16 Gen 1 Firmware</a>	1.57	All	All	All

## References

Reference	Source	Link	Tags
ThinkPad BIOS 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

No vendor comments have been submitted for this CVE.

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

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