



CVE-2021-3599

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

Summary

CVE	CVE-2021-3599
State	PUBLIC
Assigner	psirt@lenovo.com
Source Priority	CVE Program / NVD first with legacy fallback
Published	2021-11-12 22:15:00 UTC
Updated	2021-11-24 20:01:00 UTC
Description	A potential vulnerability in the SMI callback function used to access flash device in some ThinkPad models may allow an at

Risk And Classification

Problem Types: NVD-CWE-noinfo

NVD Known Affected Configurations (CPE 2.3)

Type	Vendor	Product	Version	Update	Edition	Language
Hardware	Lenovo	Ideapad S940-14iwl	-	All	All	All
Operating System	Lenovo	Ideapad S940-14iwl Firmware	All	All	All	All
Hardware	Lenovo	Ideapad Yoga S940-14iwl	-	All	All	All
Operating System	Lenovo	Ideapad Yoga S940-14iwl Firmware	All	All	All	All
Hardware	Lenovo	Thinkpad 10	-	All	All	All
Operating System	Lenovo	Thinkpad 10 Firmware	All	All	All	All
Hardware	Lenovo	Thinkpad 11e 3rd Gen	-	All	All	All
Operating System	Lenovo	Thinkpad 11e 3rd Gen Firmware	All	All	All	All
Hardware	Lenovo	Thinkpad 11e 4th Gen	-	All	All	All
Operating System	Lenovo	Thinkpad 11e 4th Gen Firmware	All	All	All	All
Hardware	Lenovo	Thinkpad 11e Yoga Gen 6	-	All	All	All
Operating System	Lenovo	Thinkpad 11e Yoga Gen 6 Firmware	All	All	All	All
Hardware	Lenovo	Thinkpad 13 Gen 2	-	All	All	All
Operating System	Lenovo	Thinkpad 13 Gen 2 Firmware	All	All	All	All
Hardware	Lenovo	Thinkpad 25	-	All	All	All
Operating System	Lenovo	Thinkpad 25 Firmware	All	All	All	All
Hardware	Lenovo	Thinkpad E14	-	All	All	All

Operating System	Lenovo	Thinkpad E14 Firmware	All	All	All	All
Hardware	Lenovo	Thinkpad E14 Gen 2	-	All	All	All
Operating System	Lenovo	Thinkpad E14 Gen 2 Firmware	All	All	All	All
Hardware	Lenovo	Thinkpad E14 Gen 3	-	All	All	All
Operating System	Lenovo	Thinkpad E14 Gen 3 Firmware	All	All	All	All
Hardware	Lenovo	Thinkpad E15	-	All	All	All
Operating System	Lenovo	Thinkpad E15 Firmware	All	All	All	All
Hardware	Lenovo	Thinkpad E15 Gen 2	-	All	All	All
Operating System	Lenovo	Thinkpad E15 Gen 2 Firmware	All	All	All	All
Hardware	Lenovo	Thinkpad E15 Gen 3	-	All	All	All
Operating System	Lenovo	Thinkpad E15 Gen 3 Firmware	All	All	All	All
Hardware	Lenovo	Thinkpad E470	-	All	All	All
Operating System	Lenovo	Thinkpad E470 Firmware	All	All	All	All
Hardware	Lenovo	Thinkpad E480	-	All	All	All
Operating System	Lenovo	Thinkpad E480 Firmware	All	All	All	All
Hardware	Lenovo	Thinkpad E490	-	All	All	All
Operating System	Lenovo	Thinkpad E490 Firmware	All	All	All	All
Hardware	Lenovo	Thinkpad E570	-	All	All	All
Operating System	Lenovo	Thinkpad E570 Firmware	All	All	All	All
Hardware	Lenovo	Thinkpad E580	-	All	All	All
Operating System	Lenovo	Thinkpad E580 Firmware	All	All	All	All
Hardware	Lenovo	Thinkpad E590	-	All	All	All
Operating System	Lenovo	Thinkpad E590 Firmware	All	All	All	All
Hardware	Lenovo	Thinkpad Helix	-	All	All	All
Operating System	Lenovo	Thinkpad Helix Firmware	All	All	All	All
Hardware	Lenovo	Thinkpad L13	-	All	All	All
Operating System	Lenovo	Thinkpad L13 Firmware	All	All	All	All
Hardware	Lenovo	Thinkpad L13 Gen 2	-	All	All	All
Operating System	Lenovo	Thinkpad L13 Gen 2 Firmware	All	All	All	All
Hardware	Lenovo	Thinkpad L13 Yoga	-	All	All	All
Operating System	Lenovo	Thinkpad L13 Yoga Firmware	All	All	All	All
Hardware	Lenovo	Thinkpad L13 Yoga Gen 2	-	All	All	All
Operating System	Lenovo	Thinkpad L13 Yoga Gen 2 Firmware	All	All	All	All
Hardware	Lenovo	Thinkpad L14	-	All	All	All
Operating System	Lenovo	Thinkpad L14 Firmware	All	All	All	All

Hardware	Lenovo	Thinkpad L15	-	All	All	All
Operating System	Lenovo	Thinkpad L15 Firmware	All	All	All	All
Hardware	Lenovo	Thinkpad L15 Gen 2	-	All	All	All
Operating System	Lenovo	Thinkpad L15 Gen 2 Firmware	All	All	All	All
Hardware	Lenovo	Thinkpad L380	-	All	All	All
Operating System	Lenovo	Thinkpad L380 Firmware	All	All	All	All
Hardware	Lenovo	Thinkpad L380 Yoga	-	All	All	All
Operating System	Lenovo	Thinkpad L380 Yoga Firmware	All	All	All	All
Hardware	Lenovo	Thinkpad L390	-	All	All	All
Operating System	Lenovo	Thinkpad L390 Firmware	All	All	All	All
Hardware	Lenovo	Thinkpad L390 Yoga	-	All	All	All
Operating System	Lenovo	Thinkpad L390 Yoga Firmware	All	All	All	All
Hardware	Lenovo	Thinkpad L460	-	All	All	All
Operating System	Lenovo	Thinkpad L460 Firmware	All	All	All	All
Hardware	Lenovo	Thinkpad L470	-	All	All	All
Operating System	Lenovo	Thinkpad L470 Firmware	All	All	All	All
Hardware	Lenovo	Thinkpad L480	-	All	All	All
Operating System	Lenovo	Thinkpad L480 Firmware	All	All	All	All
Hardware	Lenovo	Thinkpad L490	-	All	All	All
Operating System	Lenovo	Thinkpad L490 Firmware	All	All	All	All
Hardware	Lenovo	Thinkpad L560	-	All	All	All
Operating System	Lenovo	Thinkpad L560 Firmware	All	All	All	All
Hardware	Lenovo	Thinkpad L570	-	All	All	All
Operating System	Lenovo	Thinkpad L570 Firmware	All	All	All	All
Hardware	Lenovo	Thinkpad L580	-	All	All	All
Operating System	Lenovo	Thinkpad L580 Firmware	All	All	All	All
Hardware	Lenovo	Thinkpad L590	-	All	All	All
Operating System	Lenovo	Thinkpad L590 Firmware	All	All	All	All
Hardware	Lenovo	Thinkpad P1	-	All	All	All
Hardware	Lenovo	Thinkpad P14s Gen 1	-	All	All	All
Operating System	Lenovo	Thinkpad P14s Gen 1 Firmware	All	All	All	All
Hardware	Lenovo	Thinkpad P14s Gen 2	-	All	All	All
Operating System	Lenovo	Thinkpad P14s Gen 2 Firmware	All	All	All	All
Hardware	Lenovo	Thinkpad P15s Gen 1	-	All	All	All
Operating System	Lenovo	Thinkpad P15s Gen 1 Firmware	All	All	All	All

Hardware	Lenovo	Thinkpad P15s Gen 2	-	All	All	All
Operating System	Lenovo	Thinkpad P15s Gen 2 Firmware	All	All	All	All
Hardware	Lenovo	Thinkpad P15v Gen 1	-	All	All	All
Operating System	Lenovo	Thinkpad P15v Gen 1 Firmware	All	All	All	All
Hardware	Lenovo	Thinkpad P15 Gen 1	-	All	All	All
Operating System	Lenovo	Thinkpad P15 Gen 1 Firmware	All	All	All	All
Hardware	Lenovo	Thinkpad P17 Gen 1	-	All	All	All
Operating System	Lenovo	Thinkpad P17 Gen 1 Firmware	All	All	All	All
Operating System	Lenovo	Thinkpad P1 Firmware	All	All	All	All
Hardware	Lenovo	Thinkpad P1 Gen 2	-	All	All	All
Operating System	Lenovo	Thinkpad P1 Gen 2 Firmware	All	All	All	All
Hardware	Lenovo	Thinkpad P1 Gen 3	-	All	All	All
Operating System	Lenovo	Thinkpad P1 Gen 3 Firmware	All	All	All	All
Hardware	Lenovo	Thinkpad P43s	-	All	All	All
Operating System	Lenovo	Thinkpad P43s Firmware	All	All	All	All
Hardware	Lenovo	Thinkpad P50	-	All	All	All
Hardware	Lenovo	Thinkpad P50s	-	All	All	All
Operating System	Lenovo	Thinkpad P50s Firmware	All	All	All	All
Operating System	Lenovo	Thinkpad P50 Firmware	All	All	All	All
Hardware	Lenovo	Thinkpad P51	-	All	All	All
Hardware	Lenovo	Thinkpad P51s	-	All	All	All
Operating System	Lenovo	Thinkpad P51s Firmware	All	All	All	All
Operating System	Lenovo	Thinkpad P51 Firmware	All	All	All	All
Hardware	Lenovo	Thinkpad P52	-	All	All	All
Hardware	Lenovo	Thinkpad P52s	-	All	All	All
Operating System	Lenovo	Thinkpad P52s Firmware	All	All	All	All
Operating System	Lenovo	Thinkpad P52 Firmware	All	All	All	All
Hardware	Lenovo	Thinkpad P53	-	All	All	All
Hardware	Lenovo	Thinkpad P53s	-	All	All	All
Operating System	Lenovo	Thinkpad P53s Firmware	All	All	All	All
Operating System	Lenovo	Thinkpad P53 Firmware	All	All	All	All
Hardware	Lenovo	Thinkpad P70	-	All	All	All
Operating System	Lenovo	Thinkpad P70 Firmware	All	All	All	All
Hardware	Lenovo	Thinkpad P71	-	All	All	All
Operating System	Lenovo	Thinkpad P71 Firmware	All	All	All	All
Hardware	Lenovo	Thinkpad P72	-	All	All	All

Operating System	Lenovo	Thinkpad P72 Firmware	All	All	All	All
Hardware	Lenovo	Thinkpad P73	-	All	All	All
Operating System	Lenovo	Thinkpad P73 Firmware	All	All	All	All
Hardware	Lenovo	Thinkpad S2 Gen 6	-	All	All	All
Operating System	Lenovo	Thinkpad S2 Gen 6 Firmware	All	All	All	All
Hardware	Lenovo	Thinkpad S2 Yoga Gen 6	-	All	All	All
Operating System	Lenovo	Thinkpad S2 Yoga Gen 6 Firmware	All	All	All	All
Hardware	Lenovo	Thinkpad S540	-	All	All	All
Operating System	Lenovo	Thinkpad S540 Firmware	All	All	All	All
Hardware	Lenovo	Thinkpad S5 2nd Gen	-	All	All	All
Operating System	Lenovo	Thinkpad S5 2nd Gen Firmware	All	All	All	All
Hardware	Lenovo	Thinkpad T14s	-	All	All	All
Operating System	Lenovo	Thinkpad T14s Firmware	All	All	All	All
Hardware	Lenovo	Thinkpad T14s Gen 2	-	All	All	All
Operating System	Lenovo	Thinkpad T14s Gen 2 Firmware	All	All	All	All
Hardware	Lenovo	Thinkpad T14 Gen 1	-	All	All	All
Operating System	Lenovo	Thinkpad T14 Gen 1 Firmware	All	All	All	All
Hardware	Lenovo	Thinkpad T14 Gen 2	-	All	All	All
Operating System	Lenovo	Thinkpad T14 Gen 2 Firmware	All	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	All	All	All	All
Hardware	Lenovo	Thinkpad T15p Gen 1	-	All	All	All
Operating System	Lenovo	Thinkpad T15p Gen 1 Firmware	All	All	All	All
Operating System	Lenovo	Thinkpad T15 Firmware	All	All	All	All
Hardware	Lenovo	Thinkpad T15 Gen 2	-	All	All	All
Operating System	Lenovo	Thinkpad T15 Gen 2 Firmware	All	All	All	All
Hardware	Lenovo	Thinkpad T440p	-	All	All	All
Operating System	Lenovo	Thinkpad T440p Firmware	All	All	All	All
Hardware	Lenovo	Thinkpad T460	-	All	All	All
Hardware	Lenovo	Thinkpad T460p	-	All	All	All
Operating System	Lenovo	Thinkpad T460p Firmware	All	All	All	All
Hardware	Lenovo	Thinkpad T460s	-	All	All	All
Operating System	Lenovo	Thinkpad T460s Firmware	All	All	All	All
Operating System	Lenovo	Thinkpad T460 Firmware	All	All	All	All

Hardware	Lenovo	Thinkpad T470	-	All	All	All
Hardware	Lenovo	Thinkpad T470p	-	All	All	All
Operating System	Lenovo	Thinkpad T470p Firmware	All	All	All	All
Hardware	Lenovo	Thinkpad T470s	-	All	All	All
Operating System	Lenovo	Thinkpad T470s Firmware	All	All	All	All
Operating System	Lenovo	Thinkpad T470 Firmware	All	All	All	All
Hardware	Lenovo	Thinkpad T480	-	All	All	All
Hardware	Lenovo	Thinkpad T480s	-	All	All	All
Operating System	Lenovo	Thinkpad T480s Firmware	All	All	All	All
Operating System	Lenovo	Thinkpad T480 Firmware	All	All	All	All
Hardware	Lenovo	Thinkpad T490	-	All	All	All
Hardware	Lenovo	Thinkpad T490s	-	All	All	All
Operating System	Lenovo	Thinkpad T490s Firmware	All	All	All	All
Operating System	Lenovo	Thinkpad T490 Firmware	All	All	All	All
Hardware	Lenovo	Thinkpad T550	-	All	All	All
Operating System	Lenovo	Thinkpad T550 Firmware	All	All	All	All
Hardware	Lenovo	Thinkpad T560	-	All	All	All
Operating System	Lenovo	Thinkpad T560 Firmware	All	All	All	All
Hardware	Lenovo	Thinkpad T570	-	All	All	All
Operating System	Lenovo	Thinkpad T570 Firmware	All	All	All	All
Hardware	Lenovo	Thinkpad T580	-	All	All	All
Operating System	Lenovo	Thinkpad T580 Firmware	All	All	All	All
Hardware	Lenovo	Thinkpad T590	-	All	All	All
Operating System	Lenovo	Thinkpad T590 Firmware	All	All	All	All
Hardware	Lenovo	Thinkpad W550s	-	All	All	All
Operating System	Lenovo	Thinkpad W550s Firmware	All	All	All	All
Hardware	Lenovo	Thinkpad X12 Detachable Gen 1	-	All	All	All
Operating System	Lenovo	Thinkpad X12 Detachable Gen 1 Firmware	All	All	All	All
Hardware	Lenovo	Thinkpad X13 Gen 1	-	All	All	All
Operating System	Lenovo	Thinkpad X13 Gen 1 Firmware	All	All	All	All
Hardware	Lenovo	Thinkpad X13 Gen 2	-	All	All	All
Operating System	Lenovo	Thinkpad X13 Gen 2 Firmware	All	All	All	All
Hardware	Lenovo	Thinkpad X13 Yoga Gen 1	-	All	All	All
Operating System	Lenovo	Thinkpad X13 Yoga Gen 1 Firmware	All	All	All	All
Hardware	Lenovo	Thinkpad X13 Yoga Gen 2	-	All	All	All
Operating System	Lenovo	Thinkpad X13 Yoga Gen 2 Firmware	All	All	All	All

Operating System	Lenovo	Thinkpad X13 Yoga Gen 2 Firmware	All	All	All	All
Hardware	Lenovo	Thinkpad X1 Carbon 3rd Gen	-	All	All	All
Operating System	Lenovo	Thinkpad X1 Carbon 3rd Gen Firmware	All	All	All	All
Hardware	Lenovo	Thinkpad X1 Carbon 4th Gen	-	All	All	All
Operating System	Lenovo	Thinkpad X1 Carbon 4th Gen Firmware	All	All	All	All
Hardware	Lenovo	Thinkpad X1 Carbon 5th Gen Kabylake	-	All	All	All
Operating System	Lenovo	Thinkpad X1 Carbon 5th Gen Kabylake Firmware	All	All	All	All
Hardware	Lenovo	Thinkpad X1 Carbon 5th Gen Skylake	-	All	All	All
Operating System	Lenovo	Thinkpad X1 Carbon 5th Gen Skylake Firmware	All	All	All	All
Hardware	Lenovo	Thinkpad X1 Carbon Gen 6	-	All	All	All
Operating System	Lenovo	Thinkpad X1 Carbon Gen 6 Firmware	All	All	All	All
Hardware	Lenovo	Thinkpad X1 Carbon Gen 7	-	All	All	All
Operating System	Lenovo	Thinkpad X1 Carbon Gen 7 Firmware	All	All	All	All
Hardware	Lenovo	Thinkpad X1 Carbon Gen 8	-	All	All	All
Operating System	Lenovo	Thinkpad X1 Carbon Gen 8 Firmware	All	All	All	All
Hardware	Lenovo	Thinkpad X1 Extreme	-	All	All	All
Hardware	Lenovo	Thinkpad X1 Extreme 2nd	-	All	All	All
Operating System	Lenovo	Thinkpad X1 Extreme 2nd Firmware	All	All	All	All
Operating System	Lenovo	Thinkpad X1 Extreme Firmware	All	All	All	All
Hardware	Lenovo	Thinkpad X1 Extreme Gen 3	-	All	All	All
Operating System	Lenovo	Thinkpad X1 Extreme Gen 3 Firmware	All	All	All	All
Hardware	Lenovo	Thinkpad X1 Fold Gen 1	-	All	All	All
Operating System	Lenovo	Thinkpad X1 Fold Gen 1 Firmware	All	All	All	All
Hardware	Lenovo	Thinkpad X1 Nano Gen 1	-	All	All	All
Operating System	Lenovo	Thinkpad X1 Nano Gen 1 Firmware	All	All	All	All
Hardware	Lenovo	Thinkpad X1 Tablet	-	All	All	All
Operating System	Lenovo	Thinkpad X1 Tablet Firmware	All	All	All	All
Hardware	Lenovo	Thinkpad X1 Tablet Gen 2	-	All	All	All
Operating System	Lenovo	Thinkpad X1 Tablet Gen 2 Firmware	All	All	All	All
Hardware	Lenovo	Thinkpad X1 Tablet Gen 3	-	All	All	All
Operating System	Lenovo	Thinkpad X1 Tablet Gen 3 Firmware	All	All	All	All
Hardware	Lenovo	Thinkpad X1 Titanium	-	All	All	All
Operating System	Lenovo	Thinkpad X1 Titanium Firmware	All	All	All	All
Hardware	Lenovo	Thinkpad X1 Yoga 1st Gen	-	All	All	All
Operating System	Lenovo	Thinkpad X1 Yoga 1st Gen Firmware	All	All	All	All
Hardware	Lenovo	Thinkpad X1 Yoga 3rd Gen	-	All	All	All

Operating System	Lenovo	Thinkpad X1 Yoga 3rd Gen Firmware	All	All	All	All
Hardware	Lenovo	Thinkpad X1 Yoga 4th Gen	-	All	All	All
Operating System	Lenovo	Thinkpad X1 Yoga 4th Gen Firmware	All	All	All	All
Hardware	Lenovo	Thinkpad X1 Yoga Gen 5	-	All	All	All
Operating System	Lenovo	Thinkpad X1 Yoga Gen 5 Firmware	All	All	All	All
Hardware	Lenovo	Thinkpad X250	-	All	All	All
Operating System	Lenovo	Thinkpad X250 Firmware	All	All	All	All
Hardware	Lenovo	Thinkpad X260	-	All	All	All
Operating System	Lenovo	Thinkpad X260 Firmware	All	All	All	All
Hardware	Lenovo	Thinkpad X270	-	All	All	All
Operating System	Lenovo	Thinkpad X270 Firmware	All	All	All	All
Hardware	Lenovo	Thinkpad X280	-	All	All	All
Operating System	Lenovo	Thinkpad X280 Firmware	All	All	All	All
Hardware	Lenovo	Thinkpad X380 Yoga	-	All	All	All
Operating System	Lenovo	Thinkpad X380 Yoga Firmware	All	All	All	All
Hardware	Lenovo	Thinkpad X390	-	All	All	All
Operating System	Lenovo	Thinkpad X390 Firmware	All	All	All	All
Hardware	Lenovo	Thinkpad X390 Yoga	-	All	All	All
Operating System	Lenovo	Thinkpad X390 Yoga Firmware	All	All	All	All
Hardware	Lenovo	Thinkpad Yoga 11e 3rd Gen	-	All	All	All
Operating System	Lenovo	Thinkpad Yoga 11e 3rd Gen Firmware	All	All	All	All
Hardware	Lenovo	Thinkpad Yoga 11e 4th Gen	-	All	All	All
Operating System	Lenovo	Thinkpad Yoga 11e 4th Gen Firmware	All	All	All	All
Hardware	Lenovo	Thinkpad Yoga 11e 5th Gen	-	All	All	All
Operating System	Lenovo	Thinkpad Yoga 11e 5th Gen Firmware	All	All	All	All
Hardware	Lenovo	Thinkpad Yoga 15	-	All	All	All
Operating System	Lenovo	Thinkpad Yoga 15 Firmware	All	All	All	All
Hardware	Lenovo	Thinkpad Yoga 260	-	All	All	All
Operating System	Lenovo	Thinkpad Yoga 260 Firmware	All	All	All	All
Hardware	Lenovo	Thinkpad Yoga 370	-	All	All	All
Operating System	Lenovo	Thinkpad Yoga 370 Firmware	All	All	All	All
Hardware	Lenovo	V130-15igm	-	All	All	All
Operating System	Lenovo	V130-15igm Firmware	All	All	All	All
Hardware	Lenovo	V330-15ikb	-	All	All	All
Operating System	Lenovo	V330-15ikb Firmware	All	All	All	All

Hardware	Lenovo	V330-15isk	-	All	All	All
Operating System	Lenovo	V330-15isk Firmware	All	All	All	All

References

Reference	Source	Link	Tags
Multi-vendor BIOS Security Vulnerabilities (September 2021) - Lenovo Support DE	CONFIRM	support.lenovo.com	
CVE Program record	CVE.ORG	www.cve.org	canonical
NVD vulnerability detail	NVD	nvd.nist.gov	canonical, analysis

Vendor Comments And Credit

Discovery Credit

LEGACY: Lenovo thanks Itai Liba and Assaf Carlsbad from SentinelOne for reporting these issues.

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

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