



# CVE-2023-43578

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## Summary

<b>CVE</b>	CVE-2023-43578
<b>State</b>	PUBLIC
<b>Assigner</b>	psirt@lenovo.com
<b>Source Priority</b>	CVE Program / NVD first with legacy fallback
<b>Published</b>	2023-11-08 23:15:00 UTC
<b>Updated</b>	2023-11-16 01:41:00 UTC
<b>Description</b>	A buffer overflow was reported in the SmiFlash module in some Lenovo Desktop products that may allow a local attacker w

## NVD Known Affected Configurations (CPE 2.3)

Type	Vendor	Product	Version	Update	Edition	Language
Hardware	<a href="#">Lenovo</a>	<a href="#">Ideacentre 3-07ada05</a>	-	All	All	All
Operating System	<a href="#">Lenovo</a>	<a href="#">Ideacentre 3-07ada05 Firmware</a>	All	All	All	All
Hardware	<a href="#">Lenovo</a>	<a href="#">Ideacentre 3-07imb05</a>	-	All	All	All
Operating System	<a href="#">Lenovo</a>	<a href="#">Ideacentre 3-07imb05 Firmware</a>	All	All	All	All
Hardware	<a href="#">Lenovo</a>	<a href="#">Ideacentre 5-14acn6</a>	-	All	All	All
Operating System	<a href="#">Lenovo</a>	<a href="#">Ideacentre 5-14acn6 Firmware</a>	-	All	All	All
Hardware	<a href="#">Lenovo</a>	<a href="#">Ideacentre 5-14imb05</a>	-	All	All	All
Operating System	<a href="#">Lenovo</a>	<a href="#">Ideacentre 5-14imb05 Firmware</a>	All	All	All	All
Hardware	<a href="#">Lenovo</a>	<a href="#">Ideacentre 5-14iob6</a>	-	All	All	All
Operating System	<a href="#">Lenovo</a>	<a href="#">Ideacentre 5-14iob6 Firmware</a>	All	All	All	All
Hardware	<a href="#">Lenovo</a>	<a href="#">Ideacentre 5 14iab7</a>	-	All	All	All
Operating System	<a href="#">Lenovo</a>	<a href="#">Ideacentre 5 14iab7 Firmware</a>	All	All	All	All
Hardware	<a href="#">Lenovo</a>	<a href="#">Ideacentre 5 14irb8</a>	-	All	All	All
Operating System	<a href="#">Lenovo</a>	<a href="#">Ideacentre 5 14irb8 Firmware</a>	All	All	All	All
Hardware	<a href="#">Lenovo</a>	<a href="#">Ideacentre Aio 3-22iil5</a>	-	All	All	All
Operating System	<a href="#">Lenovo</a>	<a href="#">Ideacentre Aio 3-22iil5 Firmware</a>	All	All	All	All
Hardware	<a href="#">Lenovo</a>	<a href="#">Ideacentre Aio 3-22imb05</a>	-	All	All	All
Operating System	<a href="#">Lenovo</a>	<a href="#">Ideacentre Aio 3-22imb05 Firmware</a>	All	All	All	All
Hardware	<a href="#">Lenovo</a>	<a href="#">Ideacentre Aio 3-22itl6</a>	-	All	All	All
Operating System	<a href="#">Lenovo</a>	<a href="#">Ideacentre Aio 3-22itl6 Firmware</a>	All	All	All	All

Hardware	Lenovo	Ideacentre Aio 3-24alc6	-	All	All	All
Operating System	Lenovo	Ideacentre Aio 3-24alc6 Firmware	All	All	All	All
Hardware	Lenovo	Ideacentre Aio 3-24iil5	-	All	All	All
Operating System	Lenovo	Ideacentre Aio 3-24iil5 Firmware	All	All	All	All
Hardware	Lenovo	Ideacentre Aio 3-24imb05	-	All	All	All
Operating System	Lenovo	Ideacentre Aio 3-24imb05 Firmware	All	All	All	All
Hardware	Lenovo	Ideacentre Aio 3-24itl6	-	All	All	All
Operating System	Lenovo	Ideacentre Aio 3-24itl6 Firmware	All	All	All	All
Hardware	Lenovo	Ideacentre Aio 3-27imb05	-	All	All	All
Operating System	Lenovo	Ideacentre Aio 3-27imb05 Firmware	All	All	All	All
Hardware	Lenovo	Ideacentre Aio 3-27itl6	-	All	All	All
Operating System	Lenovo	Ideacentre Aio 3-27itl6 Firmware	All	All	All	All
Hardware	Lenovo	Ideacentre Aio 3 21itl7	-	All	All	All
Operating System	Lenovo	Ideacentre Aio 3 21itl7 Firmware	All	All	All	All
Hardware	Lenovo	Ideacentre Aio 3 22iap7	-	All	All	All
Operating System	Lenovo	Ideacentre Aio 3 22iap7 Firmware	All	All	All	All
Hardware	Lenovo	Ideacentre Aio 3 24iap7	-	All	All	All
Operating System	Lenovo	Ideacentre Aio 3 24iap7 Firmware	All	All	All	All
Hardware	Lenovo	Ideacentre Aio 3 27iap7	-	All	All	All
Operating System	Lenovo	Ideacentre Aio 3 27iap7 Firmware	All	All	All	All
Hardware	Lenovo	Ideacentre Aio 5 24iah7	-	All	All	All
Operating System	Lenovo	Ideacentre Aio 5 24iah7 Firmware	All	All	All	All
Hardware	Lenovo	Ideacentre Aio 5 27iah7	-	All	All	All
Operating System	Lenovo	Ideacentre Aio 5 27iah7 Firmware	All	All	All	All
Hardware	Lenovo	Ideacentre C5-14imb05	-	All	All	All
Operating System	Lenovo	Ideacentre C5-14imb05 Firmware	All	All	All	All
Hardware	Lenovo	Ideacentre Creator 5-14iob6	-	All	All	All
Operating System	Lenovo	Ideacentre Creator 5-14iob6 Firmware	All	All	All	All
Hardware	Lenovo	Ideacentre G5-14amr05	-	All	All	All
Operating System	Lenovo	Ideacentre G5-14amr05 Firmware	All	All	All	All
Hardware	Lenovo	Ideacentre G5-14imb05	-	All	All	All
Operating System	Lenovo	Ideacentre G5-14imb05 Firmware	All	All	All	All
Hardware	Lenovo	Ideacentre Gaming 5-14acn6	-	All	All	All
Operating System	Lenovo	Ideacentre Gaming 5-14acn6 Firmware	-	All	All	All
Hardware	Lenovo	Ideacentre Gaming 5-14iob6	-	All	All	All

Operating System	Lenovo	Ideacentre Gaming 5-14iob6 Firmware	All	All	All	All
Hardware	Lenovo	Ideacentre Gaming 5 17acn7	-	All	All	All
Operating System	Lenovo	Ideacentre Gaming 5 17acn7 Firmware	-	All	All	All
Hardware	Lenovo	Ideacentre Gaming 5 17iab7	-	All	All	All
Operating System	Lenovo	Ideacentre Gaming 5 17iab7 Firmware	All	All	All	All
Hardware	Lenovo	Ideacentre Mini 5-01imh05	-	All	All	All
Operating System	Lenovo	Ideacentre Mini 5-01imh05 Firmware	-	All	All	All
Hardware	Lenovo	Ideacentre Mini 5 01iaq7	-	All	All	All
Operating System	Lenovo	Ideacentre Mini 5 01iaq7 Firmware	All	All	All	All
Hardware	Lenovo	Ideacentre T540-15ama G	-	All	All	All
Operating System	Lenovo	Ideacentre T540-15ama G Firmware	-	All	All	All
Hardware	Lenovo	Legion T5 26iab7	-	All	All	All
Operating System	Lenovo	Legion T5 26iab7 Firmware	All	All	All	All
Hardware	Lenovo	Legion T5 26irb8	-	All	All	All
Operating System	Lenovo	Legion T5 26irb8 Firmware	All	All	All	All
Hardware	Lenovo	Legion T7-34iaz7	-	All	All	All
Operating System	Lenovo	Legion T7-34iaz7 Firmware	All	All	All	All
Hardware	Lenovo	Legion T7-34imz5	-	All	All	All
Operating System	Lenovo	Legion T7-34imz5 Firmware	All	All	All	All
Hardware	Lenovo	Legion T7 34irz8	-	All	All	All
Operating System	Lenovo	Legion T7 34irz8 Firmware	All	All	All	All
Hardware	Lenovo	Loq 17irb8	-	All	All	All
Operating System	Lenovo	Loq 17irb8 Firmware	All	All	All	All
Hardware	Lenovo	Thinkcentre M625q	-	All	All	All
Operating System	Lenovo	Thinkcentre M625q Firmware	-	All	All	All
Hardware	Lenovo	Thinkcentre M630e	-	All	All	All
Operating System	Lenovo	Thinkcentre M630e Firmware	All	All	All	All
Hardware	Lenovo	Thinkcentre M70a Gen 3	-	All	All	All
Operating System	Lenovo	Thinkcentre M70a Gen 3 Firmware	-	All	All	All
Hardware	Lenovo	Thinkcentre M70c	-	All	All	All
Operating System	Lenovo	Thinkcentre M70c Firmware	All	All	All	All
Hardware	Lenovo	Thinkcentre M70q	-	All	All	All
Operating System	Lenovo	Thinkcentre M70q Firmware	-	All	All	All
Hardware	Lenovo	Thinkcentre M70q Gen 2	-	All	All	All
Operating System	Lenovo	Thinkcentre M70q Gen 2 Firmware	-	All	All	All
Hardware	Lenovo	Thinkcentre M70e	-	All	All	All

Hardware	Lenovo	Thinkcentre M70s	All	All	All	All
Operating System	Lenovo	Thinkcentre M70s Firmware	All	All	All	All
Hardware	Lenovo	Thinkcentre M70s Gen 3	-	All	All	All
Operating System	Lenovo	Thinkcentre M70s Gen 3 Firmware	All	All	All	All
Hardware	Lenovo	Thinkcentre M70t	-	All	All	All
Operating System	Lenovo	Thinkcentre M70t Firmware	All	All	All	All
Hardware	Lenovo	Thinkcentre M70t Gen 3	-	All	All	All
Operating System	Lenovo	Thinkcentre M70t Gen 3 Firmware	All	All	All	All
Hardware	Lenovo	Thinkcentre M75n	-	All	All	All
Operating System	Lenovo	Thinkcentre M75n Firmware	All	All	All	All
Hardware	Lenovo	Thinkcentre M75q Gen 2	-	All	All	All
Operating System	Lenovo	Thinkcentre M75q Gen 2 Firmware	-	All	All	All
Hardware	Lenovo	Thinkcentre M75s Gen 2	-	All	All	All
Operating System	Lenovo	Thinkcentre M75s Gen 2 Firmware	-	All	All	All
Hardware	Lenovo	Thinkcentre M75t Gen 2	-	All	All	All
Operating System	Lenovo	Thinkcentre M75t Gen 2 Firmware	-	All	All	All
Hardware	Lenovo	Thinkcentre M80q	-	All	All	All
Operating System	Lenovo	Thinkcentre M80q Firmware	-	All	All	All
Hardware	Lenovo	Thinkcentre M80q Gen 3	-	All	All	All
Operating System	Lenovo	Thinkcentre M80q Gen 3 Firmware	-	All	All	All
Hardware	Lenovo	Thinkcentre M80s	-	All	All	All
Operating System	Lenovo	Thinkcentre M80s Firmware	All	All	All	All
Hardware	Lenovo	Thinkcentre M80s Gen 3	-	All	All	All
Operating System	Lenovo	Thinkcentre M80s Gen 3 Firmware	All	All	All	All
Hardware	Lenovo	Thinkcentre M80t	-	All	All	All
Operating System	Lenovo	Thinkcentre M80t Firmware	All	All	All	All
Hardware	Lenovo	Thinkcentre M80t Gen 3	-	All	All	All
Operating System	Lenovo	Thinkcentre M80t Gen 3 Firmware	All	All	All	All
Hardware	Lenovo	Thinkcentre M90a	-	All	All	All
Operating System	Lenovo	Thinkcentre M90a Firmware	All	All	All	All
Hardware	Lenovo	Thinkcentre M90a Gen 2	-	All	All	All
Operating System	Lenovo	Thinkcentre M90a Gen 2 Firmware	All	All	All	All
Hardware	Lenovo	Thinkcentre M90a Gen 3	-	All	All	All
Operating System	Lenovo	Thinkcentre M90a Gen 3 Firmware	All	All	All	All
Hardware	Lenovo	Thinkcentre M90a Pro Gen 3	-	All	All	All
Operating System	Lenovo	Thinkcentre M90a Pro Gen 3 Firmware	All	All	All	All

Hardware	<a href="#">Lenovo</a>	<a href="#">Thinkcentre M90q Gen 2</a>	-	All	All	All
Operating System	<a href="#">Lenovo</a>	<a href="#">Thinkcentre M90q Gen 2 Firmware</a>	-	All	All	All
Hardware	<a href="#">Lenovo</a>	<a href="#">Thinkcentre M90q Gen 3</a>	-	All	All	All
Operating System	<a href="#">Lenovo</a>	<a href="#">Thinkcentre M90q Gen 3 Firmware</a>	-	All	All	All
Hardware	<a href="#">Lenovo</a>	<a href="#">Thinkcentre M90q Tiny</a>	-	All	All	All
Operating System	<a href="#">Lenovo</a>	<a href="#">Thinkcentre M90q Tiny Firmware</a>	-	All	All	All
Hardware	<a href="#">Lenovo</a>	<a href="#">Thinkcentre M90s</a>	-	All	All	All
Operating System	<a href="#">Lenovo</a>	<a href="#">Thinkcentre M90s Firmware</a>	All	All	All	All
Hardware	<a href="#">Lenovo</a>	<a href="#">Thinkcentre M90s Gen 3</a>	-	All	All	All
Operating System	<a href="#">Lenovo</a>	<a href="#">Thinkcentre M90s Gen 3 Firmware</a>	All	All	All	All
Hardware	<a href="#">Lenovo</a>	<a href="#">Thinkcentre M90t</a>	-	All	All	All
Operating System	<a href="#">Lenovo</a>	<a href="#">Thinkcentre M90t Firmware</a>	All	All	All	All
Hardware	<a href="#">Lenovo</a>	<a href="#">Thinkcentre M90t Gen 3</a>	-	All	All	All
Operating System	<a href="#">Lenovo</a>	<a href="#">Thinkcentre M90t Gen 3 Firmware</a>	All	All	All	All
Hardware	<a href="#">Lenovo</a>	<a href="#">Thinkcentre M920z All-in-one</a>	-	All	All	All
Operating System	<a href="#">Lenovo</a>	<a href="#">Thinkcentre M920z All-in-one Firmware</a>	All	All	All	All
Hardware	<a href="#">Lenovo</a>	<a href="#">Thinkcentre Neo 30a 22 Gen 3</a>	-	All	All	All
Operating System	<a href="#">Lenovo</a>	<a href="#">Thinkcentre Neo 30a 22 Gen 3 Firmware</a>	All	All	All	All
Hardware	<a href="#">Lenovo</a>	<a href="#">Thinkcentre Neo 30a 22 Gen 4</a>	-	All	All	All
Operating System	<a href="#">Lenovo</a>	<a href="#">Thinkcentre Neo 30a 22 Gen 4 Firmware</a>	All	All	All	All
Hardware	<a href="#">Lenovo</a>	<a href="#">Thinkcentre Neo 30a 24 Gen 3</a>	-	All	All	All
Operating System	<a href="#">Lenovo</a>	<a href="#">Thinkcentre Neo 30a 24 Gen 3 Firmware</a>	All	All	All	All
Hardware	<a href="#">Lenovo</a>	<a href="#">Thinkcentre Neo 30a 24 Gen 4</a>	-	All	All	All
Operating System	<a href="#">Lenovo</a>	<a href="#">Thinkcentre Neo 30a 24 Gen 4 Firmware</a>	All	All	All	All
Hardware	<a href="#">Lenovo</a>	<a href="#">Thinkcentre Neo 30a 27 Gen 3</a>	-	All	All	All
Operating System	<a href="#">Lenovo</a>	<a href="#">Thinkcentre Neo 30a 27 Gen 3 Firmware</a>	All	All	All	All
Hardware	<a href="#">Lenovo</a>	<a href="#">Thinkcentre Neo 30a 27 Gen 4</a>	-	All	All	All
Operating System	<a href="#">Lenovo</a>	<a href="#">Thinkcentre Neo 30a 27 Gen 4 Firmware</a>	All	All	All	All
Operating System	<a href="#">Lenovo</a>	<a href="#">Thinkcentre Neo 30a 27 Gen 4 Firmware</a>	o5nkt33a	All	All	All
Hardware	<a href="#">Lenovo</a>	<a href="#">Thinkcentre Neo 50a 24 Gen 3</a>	-	All	All	All
Operating System	<a href="#">Lenovo</a>	<a href="#">Thinkcentre Neo 50a 24 Gen 3 Firmware</a>	All	All	All	All
Hardware	<a href="#">Lenovo</a>	<a href="#">Thinkcentre Neo 50a 24 Gen 4</a>	-	All	All	All
Operating System	<a href="#">Lenovo</a>	<a href="#">Thinkcentre Neo 50a 24 Gen 4 Firmware</a>	All	All	All	All
Hardware	<a href="#">Lenovo</a>	<a href="#">Thinkcentre Neo 50t Gen 3</a>	-	All	All	All
Operating System	<a href="#">Lenovo</a>	<a href="#">Thinkcentre Neo 50t Gen 3 Firmware</a>	All	All	All	All

Hardware	Lenovo	Thinkcentre Neo 70t Gen 3	-	All	All	All
Operating System	Lenovo	Thinkcentre Neo 70t Gen 3 Firmware	All	All	All	All
Hardware	Lenovo	Thinkedge Se30	-	All	All	All
Operating System	Lenovo	Thinkedge Se30 Firmware	-	All	All	All
Hardware	Lenovo	Thinkstation P320 Workstation	-	All	All	All
Operating System	Lenovo	Thinkstation P320 Workstation Firmware	-	All	All	All
Hardware	Lenovo	Thinkstation P330 Workstation	-	All	All	All
Hardware	Lenovo	Thinkstation P330 Workstation 2nd Gen	-	All	All	All
Operating System	Lenovo	Thinkstation P330 Workstation 2nd Gen Firmware	All	All	All	All
Operating System	Lenovo	Thinkstation P330 Workstation Firmware	All	All	All	All
Hardware	Lenovo	Thinkstation P340 Tiny Workstation	-	All	All	All
Operating System	Lenovo	Thinkstation P340 Tiny Workstation Firmware	-	All	All	All
Hardware	Lenovo	Thinkstation P340 Workstation	-	All	All	All
Operating System	Lenovo	Thinkstation P340 Workstation Firmware	All	All	All	All
Hardware	Lenovo	Thinkstation P348 Workstation	-	All	All	All
Operating System	Lenovo	Thinkstation P348 Workstation Firmware	-	All	All	All
Hardware	Lenovo	Thinkstation P350 Tiny Workstation	-	All	All	All
Operating System	Lenovo	Thinkstation P350 Tiny Workstation Firmware	-	All	All	All
Hardware	Lenovo	Thinkstation P350 Workstation	-	All	All	All
Operating System	Lenovo	Thinkstation P350 Workstation Firmware	-	All	All	All
Hardware	Lenovo	Thinkstation P358 Workstation	-	All	All	All
Operating System	Lenovo	Thinkstation P358 Workstation Firmware	All	All	All	All
Hardware	Lenovo	Thinkstation P360 Tiny Workstation	-	All	All	All
Operating System	Lenovo	Thinkstation P360 Tiny Workstation Firmware	-	All	All	All
Hardware	Lenovo	Thinkstation P360 Ultra Workstation	-	All	All	All
Operating System	Lenovo	Thinkstation P360 Ultra Workstation Firmware	-	All	All	All
Hardware	Lenovo	Thinkstation P360 Workstation	-	All	All	All
Operating System	Lenovo	Thinkstation P360 Workstation Firmware	All	All	All	All
Operating System	Lenovo	Thinkstation P360 Workstation Firmware	-	All	All	All
Hardware	Lenovo	Thinkstation P520c Workstation	-	All	All	All
Operating System	Lenovo	Thinkstation P520c Workstation Firmware	-	All	All	All
Hardware	Lenovo	Thinkstation P520 Workstation	-	All	All	All
Operating System	Lenovo	Thinkstation P520 Workstation Firmware	-	All	All	All
Hardware	Lenovo	Thinkstation P720 Workstation	-	All	All	All
Operating System	Lenovo	Thinkstation P720 Workstation Firmware	-	All	All	All
Hardware	Lenovo	Thinkstation P920 Workstation	-	All	All	All

Hardware	Lenovo	Thinkstation P920 Workstation Firmware	-	All	All	All
Hardware	Lenovo	V30a-22iml	-	All	All	All
Operating System	Lenovo	V30a-22iml Firmware	All	All	All	All
Hardware	Lenovo	V30a-22itl	-	All	All	All
Operating System	Lenovo	V30a-22itl Firmware	All	All	All	All
Hardware	Lenovo	V30a-24iml	-	All	All	All
Operating System	Lenovo	V30a-24iml Firmware	All	All	All	All
Hardware	Lenovo	V30a-24itl	-	All	All	All
Operating System	Lenovo	V30a-24itl Firmware	All	All	All	All
Hardware	Lenovo	V50a-22imb	-	All	All	All
Operating System	Lenovo	V50a-22imb Firmware	All	All	All	All
Hardware	Lenovo	V50a-24imb	-	All	All	All
Operating System	Lenovo	V50a-24imb Firmware	All	All	All	All
Hardware	Lenovo	V50s-07imb	-	All	All	All
Operating System	Lenovo	V50s-07imb Firmware	All	All	All	All
Hardware	Lenovo	V50t-13imb	-	All	All	All
Operating System	Lenovo	V50t-13imb Firmware	All	All	All	All
Hardware	Lenovo	V50t-13imh	-	All	All	All
Operating System	Lenovo	V50t-13imh Firmware	All	All	All	All
Hardware	Lenovo	V50t-13iob	-	All	All	All
Operating System	Lenovo	V50t-13iob Firmware	All	All	All	All
Hardware	Lenovo	V55t Gen 2 13acn	-	All	All	All
Operating System	Lenovo	V55t Gen 2 13acn Firmware	All	All	All	All
Hardware	Lenovo	Yoga Aio 7-27arh6	-	All	All	All
Operating System	Lenovo	Yoga Aio 7-27arh6 Firmware	-	All	All	All
Hardware	Lenovo	Yoga Aio 7 27arh7	-	All	All	All
Operating System	Lenovo	Yoga Aio 7 27arh7 Firmware	-	All	All	All

## References

Reference	Source	Link	Tags
Multi-vendor BIOS Security Vulnerabilities (October 2023) - Lenovo Support US		<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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