



# CVE-2021-3971

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

## Summary

<b>CVE</b>	CVE-2021-3971
<b>State</b>	PUBLIC
<b>Assigner</b>	psirt@lenovo.com
<b>Source Priority</b>	CVE Program / NVD first with legacy fallback
<b>Published</b>	2022-04-22 21:15:00 UTC
<b>Updated</b>	2022-05-06 20:57:00 UTC
<b>Description</b>	A potential vulnerability by a driver used during older manufacturing processes on some consumer Lenovo Notebook devices

## Risk And Classification

**Problem Types:** NVD-CWE-Other

## NVD Known Affected Configurations (CPE 2.3)

Type	Vendor	Product	Version	Update	Edition	Language
Hardware	<a href="#">Lenovo</a>	<a href="#">Ideapad 3-14ada05</a>	-	All	All	All
Operating System	<a href="#">Lenovo</a>	<a href="#">Ideapad 3-14ada05 Firmware</a>	All	All	All	All
Hardware	<a href="#">Lenovo</a>	<a href="#">Ideapad 3-14ada6</a>	-	All	All	All
Operating System	<a href="#">Lenovo</a>	<a href="#">Ideapad 3-14ada6 Firmware</a>	All	All	All	All
Hardware	<a href="#">Lenovo</a>	<a href="#">Ideapad 3-14alc6</a>	-	All	All	All
Operating System	<a href="#">Lenovo</a>	<a href="#">Ideapad 3-14alc6 Firmware</a>	All	All	All	All
Hardware	<a href="#">Lenovo</a>	<a href="#">Ideapad 3-14are05</a>	-	All	All	All
Operating System	<a href="#">Lenovo</a>	<a href="#">Ideapad 3-14are05 Firmware</a>	All	All	All	All
Hardware	<a href="#">Lenovo</a>	<a href="#">Ideapad 3-14igl05</a>	-	All	All	All
Operating System	<a href="#">Lenovo</a>	<a href="#">Ideapad 3-14igl05 Firmware</a>	All	All	All	All
Hardware	<a href="#">Lenovo</a>	<a href="#">Ideapad 3-14iil05</a>	-	All	All	All
Operating System	<a href="#">Lenovo</a>	<a href="#">Ideapad 3-14iil05 Firmware</a>	All	All	All	All
Hardware	<a href="#">Lenovo</a>	<a href="#">Ideapad 3-15ada05</a>	-	All	All	All
Operating System	<a href="#">Lenovo</a>	<a href="#">Ideapad 3-15ada05 Firmware</a>	All	All	All	All
Hardware	<a href="#">Lenovo</a>	<a href="#">Ideapad 3-15ada6</a>	-	All	All	All
Operating System	<a href="#">Lenovo</a>	<a href="#">Ideapad 3-15ada6 Firmware</a>	All	All	All	All
Hardware	<a href="#">Lenovo</a>	<a href="#">Ideapad 3-15alc6</a>	-	All	All	All

Operating System	Lenovo	Ideapad 3-15alc6 Firmware	All	All	All	All
Hardware	Lenovo	Ideapad 3-15are05	-	All	All	All
Operating System	Lenovo	Ideapad 3-15are05 Firmware	All	All	All	All
Hardware	Lenovo	Ideapad 3-15igl05	-	All	All	All
Operating System	Lenovo	Ideapad 3-15igl05 Firmware	All	All	All	All
Hardware	Lenovo	Ideapad 3-15iil05	-	All	All	All
Operating System	Lenovo	Ideapad 3-15iil05 Firmware	All	All	All	All
Hardware	Lenovo	Ideapad 3-17ada05	-	All	All	All
Operating System	Lenovo	Ideapad 3-17ada05 Firmware	All	All	All	All
Hardware	Lenovo	Ideapad 3-17ada6	-	All	All	All
Operating System	Lenovo	Ideapad 3-17ada6 Firmware	All	All	All	All
Hardware	Lenovo	Ideapad 3-17alc6	-	All	All	All
Operating System	Lenovo	Ideapad 3-17alc6 Firmware	All	All	All	All
Hardware	Lenovo	Ideapad 3-17are05	-	All	All	All
Operating System	Lenovo	Ideapad 3-17are05 Firmware	All	All	All	All
Hardware	Lenovo	Ideapad 3-17iil05	-	All	All	All
Operating System	Lenovo	Ideapad 3-17iil05 Firmware	All	All	All	All
Hardware	Lenovo	Ideapad 5-15are05	-	All	All	All
Operating System	Lenovo	Ideapad 5-15are05 Firmware	All	All	All	All
Hardware	Lenovo	Ideapad Creator 5-15imh05	-	All	All	All
Operating System	Lenovo	Ideapad Creator 5-15imh05 Firmware	All	All	All	All
Hardware	Lenovo	Ideapad Gaming 3-15arh05	-	All	All	All
Operating System	Lenovo	Ideapad Gaming 3-15arh05 Firmware	All	All	All	All
Hardware	Lenovo	Ideapad Gaming 3-15imh05	-	All	All	All
Operating System	Lenovo	Ideapad Gaming 3-15imh05 Firmware	All	All	All	All
Hardware	Lenovo	L3-15itl6	-	All	All	All
Operating System	Lenovo	L3-15itl6 Firmware	All	All	All	All
Hardware	Lenovo	L340-15irh	-	All	All	All
Operating System	Lenovo	L340-15irh Firmware	All	All	All	All
Hardware	Lenovo	L340-15iwl	-	All	All	All
Operating System	Lenovo	L340-15iwl Firmware	All	All	All	All
Hardware	Lenovo	L340-15iwl Touch	-	All	All	All
Operating System	Lenovo	L340-15iwl Touch Firmware	All	All	All	All
Hardware	Lenovo	L340-17irh	-	All	All	All
Operating System	Lenovo	L340-17irh Firmware	All	All	All	All

Hardware	Lenovo	L340-17iwl	-	All	All	All
Operating System	Lenovo	L340-17iwl Firmware	All	All	All	All
Hardware	Lenovo	Legion 5-15ach6	-	All	All	All
Hardware	Lenovo	Legion 5-15ach6a	-	All	All	All
Operating System	Lenovo	Legion 5-15ach6a Firmware	All	All	All	All
Hardware	Lenovo	Legion 5-15ach6h	-	All	All	All
Operating System	Lenovo	Legion 5-15ach6h Firmware	All	All	All	All
Operating System	Lenovo	Legion 5-15ach6 Firmware	All	All	All	All
Hardware	Lenovo	Legion 5-15ith6	-	All	All	All
Hardware	Lenovo	Legion 5-15ith6h	-	All	All	All
Operating System	Lenovo	Legion 5-15ith6h Firmware	All	All	All	All
Operating System	Lenovo	Legion 5-15ith6 Firmware	All	All	All	All
Hardware	Lenovo	Legion 5-17ach6	-	All	All	All
Hardware	Lenovo	Legion 5-17ach6h	-	All	All	All
Operating System	Lenovo	Legion 5-17ach6h Firmware	All	All	All	All
Operating System	Lenovo	Legion 5-17ach6 Firmware	All	All	All	All
Hardware	Lenovo	Legion 5-17ith6	-	All	All	All
Hardware	Lenovo	Legion 5-17ith6h	-	All	All	All
Operating System	Lenovo	Legion 5-17ith6h Firmware	All	All	All	All
Operating System	Lenovo	Legion 5-17ith6 Firmware	All	All	All	All
Hardware	Lenovo	Legion 5 Pro-16ach6	-	All	All	All
Hardware	Lenovo	Legion 5 Pro-16ach6h	-	All	All	All
Operating System	Lenovo	Legion 5 Pro-16ach6h Firmware	All	All	All	All
Operating System	Lenovo	Legion 5 Pro-16ach6 Firmware	All	All	All	All
Hardware	Lenovo	Legion 5 Pro-16ith6	-	All	All	All
Hardware	Lenovo	Legion 5 Pro-16ith6h	-	All	All	All
Operating System	Lenovo	Legion 5 Pro-16ith6h Firmware	All	All	All	All
Operating System	Lenovo	Legion 5 Pro-16ith6 Firmware	All	All	All	All
Hardware	Lenovo	Legion 7-16achg6	-	All	All	All
Operating System	Lenovo	Legion 7-16achg6 Firmware	All	All	All	All
Hardware	Lenovo	Legion 7-16ithg6	-	All	All	All
Operating System	Lenovo	Legion 7-16ithg6 Firmware	All	All	All	All
Hardware	Lenovo	Legion Y540-15irh	-	All	All	All
Hardware	Lenovo	Legion Y540-15irh-pg0	-	All	All	All
Operating System	Lenovo	Legion Y540-15irh-pg0 Firmware	All	All	All	All

Operating System	<a href="#">Lenovo</a>	<a href="#">Legion Y540-15lrh Firmware</a>	All	All	All	All
Hardware	<a href="#">Lenovo</a>	<a href="#">Legion Y540-17lrh</a>	-	All	All	All
Hardware	<a href="#">Lenovo</a>	<a href="#">Legion Y540-17lrh-pg0</a>	-	All	All	All
Operating System	<a href="#">Lenovo</a>	<a href="#">Legion Y540-17lrh-pg0 Firmware</a>	All	All	All	All
Operating System	<a href="#">Lenovo</a>	<a href="#">Legion Y540-17lrh Firmware</a>	All	All	All	All
Hardware	<a href="#">Lenovo</a>	<a href="#">Legion Y545</a>	-	All	All	All
Hardware	<a href="#">Lenovo</a>	<a href="#">Legion Y545-pg0</a>	-	All	All	All
Operating System	<a href="#">Lenovo</a>	<a href="#">Legion Y545-pg0 Firmware</a>	All	All	All	All
Operating System	<a href="#">Lenovo</a>	<a href="#">Legion Y545 Firmware</a>	All	All	All	All
Hardware	<a href="#">Lenovo</a>	<a href="#">Legion Y7000-2019</a>	-	All	All	All
Hardware	<a href="#">Lenovo</a>	<a href="#">Legion Y7000-2019-pg0</a>	-	All	All	All
Operating System	<a href="#">Lenovo</a>	<a href="#">Legion Y7000-2019-pg0 Firmware</a>	All	All	All	All
Operating System	<a href="#">Lenovo</a>	<a href="#">Legion Y7000-2019 Firmware</a>	All	All	All	All
Hardware	<a href="#">Lenovo</a>	<a href="#">S145-14api</a>	-	All	All	All
Operating System	<a href="#">Lenovo</a>	<a href="#">S145-14api Firmware</a>	All	All	All	All
Hardware	<a href="#">Lenovo</a>	<a href="#">S145-14ast</a>	-	All	All	All
Operating System	<a href="#">Lenovo</a>	<a href="#">S145-14ast Firmware</a>	All	All	All	All
Hardware	<a href="#">Lenovo</a>	<a href="#">S145-14igm</a>	-	All	All	All
Operating System	<a href="#">Lenovo</a>	<a href="#">S145-14igm Firmware</a>	All	All	All	All
Hardware	<a href="#">Lenovo</a>	<a href="#">S145-14iil</a>	-	All	All	All
Operating System	<a href="#">Lenovo</a>	<a href="#">S145-14iil Firmware</a>	All	All	All	All
Hardware	<a href="#">Lenovo</a>	<a href="#">S145-15api</a>	-	All	All	All
Operating System	<a href="#">Lenovo</a>	<a href="#">S145-15api Firmware</a>	All	All	All	All
Hardware	<a href="#">Lenovo</a>	<a href="#">S145-15ast</a>	-	All	All	All
Operating System	<a href="#">Lenovo</a>	<a href="#">S145-15ast Firmware</a>	All	All	All	All
Hardware	<a href="#">Lenovo</a>	<a href="#">S145-15igm</a>	-	All	All	All
Operating System	<a href="#">Lenovo</a>	<a href="#">S145-15igm Firmware</a>	All	All	All	All
Hardware	<a href="#">Lenovo</a>	<a href="#">S145-15iil</a>	-	All	All	All
Operating System	<a href="#">Lenovo</a>	<a href="#">S145-15iil Firmware</a>	All	All	All	All
Hardware	<a href="#">Lenovo</a>	<a href="#">S540-13api</a>	-	All	All	All
Operating System	<a href="#">Lenovo</a>	<a href="#">S540-13api Firmware</a>	All	All	All	All
Hardware	<a href="#">Lenovo</a>	<a href="#">V14-ada</a>	-	All	All	All
Operating System	<a href="#">Lenovo</a>	<a href="#">V14-ada Firmware</a>	All	All	All	All
Hardware	<a href="#">Lenovo</a>	<a href="#">V14-are</a>	-	All	All	All
Operating System	<a href="#">Lenovo</a>	<a href="#">V14-are Firmware</a>	All	All	All	All
Hardware	<a href="#">Lenovo</a>	<a href="#">V14-igl</a>	-	All	All	All

Operating System	Lenovo	V14-igl Firmware	All	All	All	All
Hardware	Lenovo	V14-iil	-	All	All	All
Operating System	Lenovo	V14-iil Firmware	All	All	All	All
Hardware	Lenovo	V140-15iwl	-	All	All	All
Operating System	Lenovo	V140-15iwl Firmware	All	All	All	All
Hardware	Lenovo	V14 G2-acl	-	All	All	All
Operating System	Lenovo	V14 G2-acl Firmware	All	All	All	All
Hardware	Lenovo	V15-ada	-	All	All	All
Operating System	Lenovo	V15-ada Firmware	All	All	All	All
Hardware	Lenovo	V15-igl	-	All	All	All
Operating System	Lenovo	V15-igl Firmware	All	All	All	All
Hardware	Lenovo	V15-iil	-	All	All	All
Operating System	Lenovo	V15-iil Firmware	All	All	All	All
Hardware	Lenovo	V15 G2-alc	-	All	All	All
Operating System	Lenovo	V15 G2-alc Firmware	All	All	All	All
Hardware	Lenovo	V17-iil	-	All	All	All
Operating System	Lenovo	V17-iil Firmware	All	All	All	All
Hardware	Lenovo	V340-17iwl	-	All	All	All
Operating System	Lenovo	V340-17iwl Firmware	All	All	All	All
Hardware	Lenovo	Yoga Slim 7 Pro-14ach5 D	-	All	All	All
Operating System	Lenovo	Yoga Slim 7 Pro-14ach5 D Firmware	All	All	All	All
Hardware	Lenovo	Yoga Slim 7 Pro-14ach5 Od	-	All	All	All
Operating System	Lenovo	Yoga Slim 7 Pro-14ach5 Od Firmware	All	All	All	All

## References

Reference	Source	Link	Tags
Lenovo Notebook 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

## Vendor Comments And Credit

### Discovery Credit

**LEGACY:** Lenovo thanks Martin Smolár from ESET for reporting this issue.

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

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