



# CVE-2021-4212

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

## Summary

<b>CVE</b>	CVE-2021-4212
<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>	2022-05-11 20:06:00 UTC
<b>Description</b>	A potential vulnerability in the SMI callback function used in the Legacy BIOS mode driver in some Lenovo Notebook mode

## Risk And Classification

### Problem Types: CWE-20

## NVD Known Affected Configurations (CPE 2.3)

Type	Vendor	Product	Version	Update	Edition	Language
Hardware	<a href="#">Lenovo</a>	C340-14iml	-	All	All	All
Operating System	<a href="#">Lenovo</a>	C340-14iml Firmware	-	All	All	All
Hardware	<a href="#">Lenovo</a>	C340-15iml	-	All	All	All
Operating System	<a href="#">Lenovo</a>	C340-15iml Firmware	-	All	All	All
Hardware	<a href="#">Lenovo</a>	D330-10igm	-	All	All	All
Operating System	<a href="#">Lenovo</a>	D330-10igm Firmware	-	All	All	All
Hardware	<a href="#">Lenovo</a>	Duet 3-10igl5	-	All	All	All
Operating System	<a href="#">Lenovo</a>	Duet 3-10igl5 Firmware	-	All	All	All
Hardware	<a href="#">Lenovo</a>	E41-50	-	All	All	All
Operating System	<a href="#">Lenovo</a>	E41-50 Firmware	-	All	All	All
Hardware	<a href="#">Lenovo</a>	Flex-14iml	-	All	All	All
Operating System	<a href="#">Lenovo</a>	Flex-14iml Firmware	-	All	All	All
Hardware	<a href="#">Lenovo</a>	Flex-15iml	-	All	All	All
Operating System	<a href="#">Lenovo</a>	Flex-15iml Firmware	-	All	All	All
Hardware	<a href="#">Lenovo</a>	Ideapad 3-14are05	-	All	All	All
Operating System	<a href="#">Lenovo</a>	Ideapad 3-14are05 Firmware	-	All	All	All
Hardware	<a href="#">Lenovo</a>	Ideapad 3-15are05	-	All	All	All

Operating System	Lenovo	Ideapad 3-15are05 Firmware	-	All	All	All
Hardware	Lenovo	Ideapad 3-17are05	-	All	All	All
Operating System	Lenovo	Ideapad 3-17are05 Firmware	-	All	All	All
Hardware	Lenovo	Ideapad 5-14alc05	-	All	All	All
Operating System	Lenovo	Ideapad 5-14alc05 Firmware	-	All	All	All
Hardware	Lenovo	Ideapad 5-14are05	-	All	All	All
Operating System	Lenovo	Ideapad 5-14are05 Firmware	-	All	All	All
Hardware	Lenovo	Ideapad 5-15itl05	-	All	All	All
Operating System	Lenovo	Ideapad 5-15itl05 Firmware	-	All	All	All
Hardware	Lenovo	Ideapad 5 Pro-14acn6	-	All	All	All
Operating System	Lenovo	Ideapad 5 Pro-14acn6 Firmware	-	All	All	All
Hardware	Lenovo	Ideapad 5 Pro-14itl6	-	All	All	All
Operating System	Lenovo	Ideapad 5 Pro-14itl6 Firmware	-	All	All	All
Hardware	Lenovo	Ideapad 5 Pro-16ihu6	-	All	All	All
Operating System	Lenovo	Ideapad 5 Pro-16ihu6 Firmware	-	All	All	All
Hardware	Lenovo	Ideapad Creator 5-15imh05	-	All	All	All
Operating System	Lenovo	Ideapad Creator 5-15imh05 Firmware	-	All	All	All
Hardware	Lenovo	Ideapad Gaming 3-15ach6	-	All	All	All
Operating System	Lenovo	Ideapad Gaming 3-15ach6 Firmware	-	All	All	All
Hardware	Lenovo	Ideapad Gaming 3-15arh05	-	All	All	All
Operating System	Lenovo	Ideapad Gaming 3-15arh05 Firmware	-	All	All	All
Hardware	Lenovo	Ideapad Gaming 3-15imh05	-	All	All	All
Operating System	Lenovo	Ideapad Gaming 3-15imh05 Firmware	-	All	All	All
Hardware	Lenovo	L340-15irh	-	All	All	All
Operating System	Lenovo	L340-15irh Firmware	-	All	All	All
Hardware	Lenovo	L340-15iwl	-	All	All	All
Operating System	Lenovo	L340-15iwl Firmware	-	All	All	All
Hardware	Lenovo	L340-15iwl Touch	-	All	All	All
Operating System	Lenovo	L340-15iwl Touch Firmware	-	All	All	All
Hardware	Lenovo	L340-17irh	-	All	All	All
Operating System	Lenovo	L340-17irh Firmware	-	All	All	All
Hardware	Lenovo	L340-17iwl	-	All	All	All
Operating System	Lenovo	L340-17iwl Firmware	-	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
Operating System	Lenovo	Legion Y540-15irh Firmware	-	All	All	All
Hardware	Lenovo	Legion Y540-17irh	-	All	All	All
Hardware	Lenovo	Legion Y540-17irh-pg0	-	All	All	All
Operating System	Lenovo	Legion Y540-17irh-pg0 Firmware	-	All	All	All
Operating System	Lenovo	Legion Y540-17irh Firmware	-	All	All	All
Hardware	Lenovo	Legion Y545	-	All	All	All
Hardware	Lenovo	Legion Y545-pg0	-	All	All	All
Operating System	Lenovo	Legion Y545-pg0 Firmware	-	All	All	All
Operating System	Lenovo	Legion Y545 Firmware	-	All	All	All
Hardware	Lenovo	Legion Y7000-2019	-	All	All	All
Hardware	Lenovo	Legion Y7000-2019-pg0	-	All	All	All
Operating System	Lenovo	Legion Y7000-2019-pg0 Firmware	-	All	All	All
Operating System	Lenovo	Legion Y7000-2019 Firmware	-	All	All	All
Hardware	Lenovo	S340-13iml	-	All	All	All
Operating System	Lenovo	S340-13iml Firmware	-	All	All	All
Hardware	Lenovo	S340-14api	-	All	All	All
Operating System	Lenovo	S340-14api Firmware	-	All	All	All
Hardware	Lenovo	S340-14iml	-	All	All	All
Operating System	Lenovo	S340-14iml Firmware	-	All	All	All
Hardware	Lenovo	S340-15api	-	All	All	All
Operating System	Lenovo	S340-15api Firmware	-	All	All	All
Hardware	Lenovo	S340-15api Touch	-	All	All	All
Operating System	Lenovo	S340-15api Touch Firmware	-	All	All	All
Hardware	Lenovo	S340-15iml	-	All	All	All
Operating System	Lenovo	S340-15iml Firmware	-	All	All	All
Hardware	Lenovo	S540-14iml	-	All	All	All
Operating System	Lenovo	S540-14iml Firmware	-	All	All	All
Hardware	Lenovo	S540-14iml Touch	-	All	All	All
Operating System	Lenovo	S540-14iml Touch Firmware	-	All	All	All
Hardware	Lenovo	S540-15iml	-	All	All	All
Operating System	Lenovo	S540-15iml Firmware	-	All	All	All
Hardware	Lenovo	Slim 7-14are05	-	All	All	All
Operating System	Lenovo	Slim 7-14are05 Firmware	-	All	All	All
Hardware	Lenovo	Slim 7-14itl05	-	All	All	All

Operating System	Lenovo	<a href="#">Slim 7-14itl05 Firmware</a>	-	All	All	All
Hardware	Lenovo	<a href="#">Slim 7-15iil05</a>	-	All	All	All
Operating System	Lenovo	<a href="#">Slim 7-15iil05 Firmware</a>	-	All	All	All
Hardware	Lenovo	<a href="#">Slim 7-15imh05</a>	-	All	All	All
Operating System	Lenovo	<a href="#">Slim 7-15imh05 Firmware</a>	-	All	All	All
Hardware	Lenovo	<a href="#">Slim 7-15itl05</a>	-	All	All	All
Operating System	Lenovo	<a href="#">Slim 7-15itl05 Firmware</a>	-	All	All	All
Hardware	Lenovo	<a href="#">Thinkbook 13x Itg</a>	-	All	All	All
Operating System	Lenovo	<a href="#">Thinkbook 13x Itg Firmware</a>	-	All	All	All
Hardware	Lenovo	<a href="#">Thinkbook 14 G3 Itl</a>	-	All	All	All
Operating System	Lenovo	<a href="#">Thinkbook 14 G3 Itl Firmware</a>	-	All	All	All
Hardware	Lenovo	<a href="#">Thinkbook Plus G2 Itg</a>	-	All	All	All
Operating System	Lenovo	<a href="#">Thinkbook Plus G2 Itg Firmware</a>	-	All	All	All
Hardware	Lenovo	<a href="#">V14-are</a>	-	All	All	All
Operating System	Lenovo	<a href="#">V14-are Firmware</a>	-	All	All	All
Hardware	Lenovo	<a href="#">V140-15iwl</a>	-	All	All	All
Operating System	Lenovo	<a href="#">V140-15iwl Firmware</a>	-	All	All	All
Hardware	Lenovo	<a href="#">V340-17iwl</a>	-	All	All	All
Operating System	Lenovo	<a href="#">V340-17iwl Firmware</a>	-	All	All	All
Hardware	Lenovo	<a href="#">Yoga 6-13alc6</a>	-	All	All	All
Operating System	Lenovo	<a href="#">Yoga 6-13alc6 Firmware</a>	-	All	All	All
Hardware	Lenovo	<a href="#">Yoga Creator 7-15imh05</a>	-	All	All	All
Operating System	Lenovo	<a href="#">Yoga Creator 7-15imh05 Firmware</a>	-	All	All	All
Hardware	Lenovo	<a href="#">Yoga Slim 7-14are05</a>	-	All	All	All
Operating System	Lenovo	<a href="#">Yoga Slim 7-14are05 Firmware</a>	-	All	All	All
Hardware	Lenovo	<a href="#">Yoga Slim 7-14iil05</a>	-	All	All	All
Operating System	Lenovo	<a href="#">Yoga Slim 7-14iil05 Firmware</a>	-	All	All	All
Hardware	Lenovo	<a href="#">Yoga Slim 7-14itl05</a>	-	All	All	All
Operating System	Lenovo	<a href="#">Yoga Slim 7-14itl05 Firmware</a>	-	All	All	All
Hardware	Lenovo	<a href="#">Yoga Slim 7-15iil05</a>	-	All	All	All
Operating System	Lenovo	<a href="#">Yoga Slim 7-15iil05 Firmware</a>	-	All	All	All
Hardware	Lenovo	<a href="#">Yoga Slim 7-15imh05</a>	-	All	All	All
Operating System	Lenovo	<a href="#">Yoga Slim 7-15imh05 Firmware</a>	-	All	All	All
Hardware	Lenovo	<a href="#">Yoga Slim 7-15itl05</a>	-	All	All	All
Operating System	Lenovo	<a href="#">Yoga Slim 7-15itl05 Firmware</a>	-	All	All	All
Hardware	Lenovo	<a href="#">Yoga Slim 7 Carbon 13itl5</a>	-	All	All	All

Operating System	Lenovo	Yoga Slim 7 Carbon 13itl5 Firmware	-	All	All	All
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## References

Reference	Source	Link	Tags
Multi-vendor BIOS Security Vulnerabilities (February 2022) - 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 Jiawei Yin(@yngweijw) and Menghao Li of IIE varas

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

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