



CVE-2019-18618

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

Summary

CVE	CVE-2019-18618
State	PUBLIC
Assigner	cve@mitre.org
Source Priority	CVE Program / NVD first with legacy fallback
Published	2020-07-22 14:15:00 UTC
Updated	2020-07-30 19:26:00 UTC
Description	Incorrect access control in the firmware of Synaptics VFS75xx family fingerprint sensors that include external flash (all versi

Risk And Classification

Problem Types: NVD-CWE-noinfo

NVD Known Affected Configurations (CPE 2.3)

Type	Vendor	Product	Version	Update	Edition	Language
Hardware	Hp	Elitebook 1040 G4	-	All	All	All
Hardware	Hp	Elitebook 1040 G4	-	All	All	All
Operating System	Hp	Elitebook 1040 G4 Firmware	All	All	All	All
Operating System	Hp	Elitebook 1040 G4 Firmware	All	All	All	All
Hardware	Hp	Elitebook 1050 G1	-	All	All	All
Hardware	Hp	Elitebook 1050 G1	-	All	All	All
Operating System	Hp	Elitebook 1050 G1 Firmware	All	All	All	All
Operating System	Hp	Elitebook 1050 G1 Firmware	All	All	All	All
Hardware	Hp	Elitebook 735 G5	-	All	All	All
Hardware	Hp	Elitebook 735 G5	-	All	All	All
Operating System	Hp	Elitebook 735 G5 Firmware	All	All	All	All
Operating System	Hp	Elitebook 735 G5 Firmware	All	All	All	All
Hardware	Hp	Elitebook 735 G6	-	All	All	All
Hardware	Hp	Elitebook 735 G6	-	All	All	All
Operating System	Hp	Elitebook 735 G6 Firmware	All	All	All	All
Operating System	Hp	Elitebook 735 G6 Firmware	All	All	All	All
Hardware	Hp	Elitebook 745 G5	-	All	All	All

Hardware	Hp	Elitebook 745 G5	-	All	All	All
Operating System	Hp	Elitebook 745 G5 Firmware	All	All	All	All
Operating System	Hp	Elitebook 745 G5 Firmware	All	All	All	All
Hardware	Hp	Elitebook 745 G6	-	All	All	All
Hardware	Hp	Elitebook 745 G6	-	All	All	All
Operating System	Hp	Elitebook 745 G6 Firmware	All	All	All	All
Operating System	Hp	Elitebook 745 G6 Firmware	All	All	All	All
Hardware	Hp	Elitebook 755 G5	-	All	All	All
Hardware	Hp	Elitebook 755 G5	-	All	All	All
Operating System	Hp	Elitebook 755 G5 Firmware	All	All	All	All
Operating System	Hp	Elitebook 755 G5 Firmware	All	All	All	All
Hardware	Hp	Elitebook 830 G5	-	All	All	All
Hardware	Hp	Elitebook 830 G5	-	All	All	All
Operating System	Hp	Elitebook 830 G5 Firmware	All	All	All	All
Operating System	Hp	Elitebook 830 G5 Firmware	All	All	All	All
Hardware	Hp	Elitebook 830 G6	-	All	All	All
Hardware	Hp	Elitebook 830 G6	-	All	All	All
Operating System	Hp	Elitebook 830 G6 Firmware	All	All	All	All
Operating System	Hp	Elitebook 830 G6 Firmware	All	All	All	All
Hardware	Hp	Elitebook 836 G5	-	All	All	All
Hardware	Hp	Elitebook 836 G5	-	All	All	All
Operating System	Hp	Elitebook 836 G5 Firmware	All	All	All	All
Operating System	Hp	Elitebook 836 G5 Firmware	All	All	All	All
Hardware	Hp	Elitebook 836 G6	-	All	All	All
Hardware	Hp	Elitebook 836 G6	-	All	All	All
Operating System	Hp	Elitebook 836 G6 Firmware	All	All	All	All
Operating System	Hp	Elitebook 836 G6 Firmware	All	All	All	All
Hardware	Hp	Elitebook 840 G5	-	All	All	All
Hardware	Hp	Elitebook 840 G5	-	All	All	All
Operating System	Hp	Elitebook 840 G5 Firmware	All	All	All	All
Operating System	Hp	Elitebook 840 G5 Firmware	All	All	All	All
Hardware	Hp	Elitebook 840 G5 Healthcare Edition	-	All	All	All
Hardware	Hp	Elitebook 840 G5 Healthcare Edition	-	All	All	All
Operating System	Hp	Elitebook 840 G5 Healthcare Edition Firmware	All	All	All	All
Operating System	Hp	Elitebook 840 G5 Healthcare Edition Firmware	All	All	All	All

Hardware	Hp	Elitebook 840 G6	-	All	All	All
Hardware	Hp	Elitebook 840 G6	-	All	All	All
Operating System	Hp	Elitebook 840 G6 Firmware	All	All	All	All
Operating System	Hp	Elitebook 840 G6 Firmware	All	All	All	All
Hardware	Hp	Elitebook 840 G6 Healthcare Edition	-	All	All	All
Hardware	Hp	Elitebook 840 G6 Healthcare Edition	-	All	All	All
Operating System	Hp	Elitebook 840 G6 Healthcare Edition Firmware	All	All	All	All
Operating System	Hp	Elitebook 840 G6 Healthcare Edition Firmware	All	All	All	All
Hardware	Hp	Elitebook 846 G5	-	All	All	All
Hardware	Hp	Elitebook 846 G5	-	All	All	All
Operating System	Hp	Elitebook 846 G5 Firmware	All	All	All	All
Operating System	Hp	Elitebook 846 G5 Firmware	All	All	All	All
Hardware	Hp	Elitebook 846 G5 Healthcare Edition	-	All	All	All
Hardware	Hp	Elitebook 846 G5 Healthcare Edition	-	All	All	All
Operating System	Hp	Elitebook 846 G5 Healthcare Edition Firmware	All	All	All	All
Operating System	Hp	Elitebook 846 G5 Healthcare Edition Firmware	All	All	All	All
Hardware	Hp	Elitebook 846 G6	-	All	All	All
Hardware	Hp	Elitebook 846 G6	-	All	All	All
Operating System	Hp	Elitebook 846 G6 Firmware	All	All	All	All
Operating System	Hp	Elitebook 846 G6 Firmware	All	All	All	All
Hardware	Hp	Elitebook 846 G6 Healthcare Edition	-	All	All	All
Hardware	Hp	Elitebook 846 G6 Healthcare Edition	-	All	All	All
Operating System	Hp	Elitebook 846 G6 Healthcare Edition Firmware	All	All	All	All
Operating System	Hp	Elitebook 846 G6 Healthcare Edition Firmware	All	All	All	All
Hardware	Hp	Elitebook 850 G5	-	All	All	All
Hardware	Hp	Elitebook 850 G5	-	All	All	All
Operating System	Hp	Elitebook 850 G5 Firmware	All	All	All	All
Operating System	Hp	Elitebook 850 G5 Firmware	All	All	All	All
Hardware	Hp	Elitebook 850 G6	-	All	All	All
Hardware	Hp	Elitebook 850 G6	-	All	All	All
Operating System	Hp	Elitebook 850 G6 Firmware	All	All	All	All
Operating System	Hp	Elitebook 850 G6 Firmware	All	All	All	All
Hardware	Hp	Elitebook X360 1020 G2	-	All	All	All
Hardware	Hp	Elitebook X360 1020 G2	-	All	All	All
Operating System	Hp	Elitebook X360 1020 G2 Firmware	All	All	All	All

Operating System	Hp	Elitebook X360 1020 G2 Firmware	All	All	All	All
Hardware	Hp	Elitebook X360 1030 G2	-	All	All	All
Hardware	Hp	Elitebook X360 1030 G2	-	All	All	All
Operating System	Hp	Elitebook X360 1030 G2 Firmware	All	All	All	All
Operating System	Hp	Elitebook X360 1030 G2 Firmware	All	All	All	All
Hardware	Hp	Elitebook X360 1030 G3	-	All	All	All
Hardware	Hp	Elitebook X360 1030 G3	-	All	All	All
Operating System	Hp	Elitebook X360 1030 G3 Firmware	All	All	All	All
Operating System	Hp	Elitebook X360 1030 G3 Firmware	All	All	All	All
Hardware	Hp	Elitebook X360 1030 G4	-	All	All	All
Hardware	Hp	Elitebook X360 1030 G4	-	All	All	All
Operating System	Hp	Elitebook X360 1030 G4 Firmware	All	All	All	All
Operating System	Hp	Elitebook X360 1030 G4 Firmware	All	All	All	All
Hardware	Hp	Elitebook X360 1040 G5	-	All	All	All
Hardware	Hp	Elitebook X360 1040 G5	-	All	All	All
Operating System	Hp	Elitebook X360 1040 G5 Firmware	All	All	All	All
Operating System	Hp	Elitebook X360 1040 G5 Firmware	All	All	All	All
Hardware	Hp	Elitebook X360 1040 G6	-	All	All	All
Hardware	Hp	Elitebook X360 1040 G6	-	All	All	All
Operating System	Hp	Elitebook X360 1040 G6 Firmware	All	All	All	All
Operating System	Hp	Elitebook X360 1040 G6 Firmware	All	All	All	All
Hardware	Hp	Elitebook X360 830 G5	-	All	All	All
Hardware	Hp	Elitebook X360 830 G5	-	All	All	All
Operating System	Hp	Elitebook X360 830 G5 Firmware	All	All	All	All
Operating System	Hp	Elitebook X360 830 G5 Firmware	All	All	All	All
Hardware	Hp	Elitebook X360 830 G6	-	All	All	All
Hardware	Hp	Elitebook X360 830 G6	-	All	All	All
Operating System	Hp	Elitebook X360 830 G6 Firmware	All	All	All	All
Operating System	Hp	Elitebook X360 830 G6 Firmware	All	All	All	All
Hardware	Hp	Eliteone 1000 G1	-	All	All	All
Hardware	Hp	Eliteone 1000 G1	-	All	All	All
Operating System	Hp	Eliteone 1000 G1 Firmware	All	All	All	All
Operating System	Hp	Eliteone 1000 G1 Firmware	All	All	All	All
Hardware	Hp	Eliteone 1000 G2	-	All	All	All
Hardware	Hp	Eliteone 1000 G2	-	All	All	All
Operating System	Hp	Eliteone 1000 G2 Firmware	All	All	All	All

Operating System	Hp	Eliteone 1000 G2 Firmware	All	All	All	All
Hardware	Hp	Elite Slice	-	All	All	All
Hardware	Hp	Elite Slice	-	All	All	All
Operating System	Hp	Elite Slice Firmware	All	All	All	All
Operating System	Hp	Elite Slice Firmware	All	All	All	All
Hardware	Hp	Elite X2 1012 G2	-	All	All	All
Hardware	Hp	Elite X2 1012 G2	-	All	All	All
Operating System	Hp	Elite X2 1012 G2 Firmware	All	All	All	All
Operating System	Hp	Elite X2 1012 G2 Firmware	All	All	All	All
Hardware	Hp	Elite X2 1013 G3	-	All	All	All
Hardware	Hp	Elite X2 1013 G3	-	All	All	All
Operating System	Hp	Elite X2 1013 G3 Firmware	All	All	All	All
Operating System	Hp	Elite X2 1013 G3 Firmware	All	All	All	All
Hardware	Hp	Elite X2 G4	-	All	All	All
Hardware	Hp	Elite X2 G4	-	All	All	All
Operating System	Hp	Elite X2 G4 Firmware	All	All	All	All
Operating System	Hp	Elite X2 G4 Firmware	All	All	All	All
Hardware	Hp	Envy X360	-	All	All	All
Hardware	Hp	Envy X360	-	All	All	All
Operating System	Hp	Envy X360 Firmware	All	All	All	All
Operating System	Hp	Envy X360 Firmware	All	All	All	All
Hardware	Hp	Mt44	-	All	All	All
Hardware	Hp	Mt44	-	All	All	All
Operating System	Hp	Mt44 Firmware	All	All	All	All
Operating System	Hp	Mt44 Firmware	All	All	All	All
Hardware	Hp	Mt45	-	All	All	All
Hardware	Hp	Mt45	-	All	All	All
Operating System	Hp	Mt45 Firmware	All	All	All	All
Operating System	Hp	Mt45 Firmware	All	All	All	All
Hardware	Hp	Pavilion X360	-	All	All	All
Hardware	Hp	Pavilion X360	-	All	All	All
Operating System	Hp	Pavilion X360 Firmware	All	All	All	All
Operating System	Hp	Pavilion X360 Firmware	All	All	All	All
Hardware	Hp	Probook 430 G6	-	All	All	All
Hardware	Hp	Probook 430 G6	-	All	All	All

Operating System	Hp	Probook 430 G6 Firmware	All	All	All	All
Operating System	Hp	Probook 430 G6 Firmware	All	All	All	All
Hardware	Hp	Probook 440 G6	-	All	All	All
Hardware	Hp	Probook 440 G6	-	All	All	All
Operating System	Hp	Probook 440 G6 Firmware	All	All	All	All
Operating System	Hp	Probook 440 G6 Firmware	All	All	All	All
Hardware	Hp	Probook 445r G6	-	All	All	All
Hardware	Hp	Probook 445r G6	-	All	All	All
Operating System	Hp	Probook 445r G6 Firmware	All	All	All	All
Operating System	Hp	Probook 445r G6 Firmware	All	All	All	All
Hardware	Hp	Probook 445 G6	-	All	All	All
Hardware	Hp	Probook 445 G6	-	All	All	All
Operating System	Hp	Probook 445 G6 Firmware	All	All	All	All
Operating System	Hp	Probook 445 G6 Firmware	All	All	All	All
Hardware	Hp	Probook 450 G6	-	All	All	All
Hardware	Hp	Probook 450 G6	-	All	All	All
Operating System	Hp	Probook 450 G6 Firmware	All	All	All	All
Operating System	Hp	Probook 450 G6 Firmware	All	All	All	All
Hardware	Hp	Probook 455r G6	-	All	All	All
Hardware	Hp	Probook 455r G6	-	All	All	All
Operating System	Hp	Probook 455r G6 Firmware	All	All	All	All
Operating System	Hp	Probook 455r G6 Firmware	All	All	All	All
Hardware	Hp	Probook 455 G6	-	All	All	All
Hardware	Hp	Probook 455 G6	-	All	All	All
Operating System	Hp	Probook 455 G6 Firmware	All	All	All	All
Operating System	Hp	Probook 455 G6 Firmware	All	All	All	All
Hardware	Hp	Probook 640 G5	-	All	All	All
Hardware	Hp	Probook 640 G5	-	All	All	All
Operating System	Hp	Probook 640 G5 Firmware	All	All	All	All
Operating System	Hp	Probook 640 G5 Firmware	All	All	All	All
Hardware	Hp	Probook 650 G5	-	All	All	All
Hardware	Hp	Probook 650 G5	-	All	All	All
Operating System	Hp	Probook 650 G5 Firmware	All	All	All	All
Operating System	Hp	Probook 650 G5 Firmware	All	All	All	All
Hardware	Hp	Pro X2 612 G2	-	All	All	All
Hardware	Hp	Pro X2 612 G2	-	All	All	All

Hardware	Hp	Pro X2 612 G2	-	All	All	All
Operating System	Hp	Pro X2 612 G2 Firmware	All	All	All	All
Operating System	Hp	Pro X2 612 G2 Firmware	All	All	All	All
Hardware	Hp	Spectre X360	-	All	All	All
Hardware	Hp	Spectre X360	-	All	All	All
Operating System	Hp	Spectre X360 Firmware	All	All	All	All
Operating System	Hp	Spectre X360 Firmware	All	All	All	All
Hardware	Hp	Zbook 14u G5	-	All	All	All
Hardware	Hp	Zbook 14u G5	-	All	All	All
Operating System	Hp	Zbook 14u G5 Firmware	All	All	All	All
Operating System	Hp	Zbook 14u G5 Firmware	All	All	All	All
Hardware	Hp	Zbook 14u G6	-	All	All	All
Hardware	Hp	Zbook 14u G6	-	All	All	All
Operating System	Hp	Zbook 14u G6 Firmware	All	All	All	All
Operating System	Hp	Zbook 14u G6 Firmware	All	All	All	All
Hardware	Hp	Zbook 15u G5	-	All	All	All
Hardware	Hp	Zbook 15u G5	-	All	All	All
Operating System	Hp	Zbook 15u G5 Firmware	All	All	All	All
Operating System	Hp	Zbook 15u G5 Firmware	All	All	All	All
Hardware	Hp	Zbook 15u G6	-	All	All	All
Hardware	Hp	Zbook 15u G6	-	All	All	All
Operating System	Hp	Zbook 15u G6 Firmware	All	All	All	All
Operating System	Hp	Zbook 15u G6 Firmware	All	All	All	All
Hardware	Hp	Zbook 15 G5	-	All	All	All
Hardware	Hp	Zbook 15 G5	-	All	All	All
Operating System	Hp	Zbook 15 G5 Firmware	All	All	All	All
Operating System	Hp	Zbook 15 G5 Firmware	All	All	All	All
Hardware	Hp	Zbook 15 G6	-	All	All	All
Hardware	Hp	Zbook 15 G6	-	All	All	All
Operating System	Hp	Zbook 15 G6 Firmware	All	All	All	All
Operating System	Hp	Zbook 15 G6 Firmware	All	All	All	All
Hardware	Hp	Zbook 17 G5	-	All	All	All
Hardware	Hp	Zbook 17 G5	-	All	All	All
Operating System	Hp	Zbook 17 G5 Firmware	All	All	All	All
Operating System	Hp	Zbook 17 G5 Firmware	All	All	All	All
Hardware	Hp	Zbook 17 G6	-	All	All	All

Hardware	Hp	Zbook 17 G6	-	All	All	All
Operating System	Hp	Zbook 17 G6 Firmware	All	All	All	All
Operating System	Hp	Zbook 17 G6 Firmware	All	All	All	All
Hardware	Hp	Zbook Studio G5	-	All	All	All
Hardware	Hp	Zbook Studio G5	-	All	All	All
Operating System	Hp	Zbook Studio G5 Firmware	All	All	All	All
Operating System	Hp	Zbook Studio G5 Firmware	All	All	All	All
Hardware	Hp	Zbook Studio X360 G5	-	All	All	All
Hardware	Hp	Zbook Studio X360 G5	-	All	All	All
Operating System	Hp	Zbook Studio X360 G5 Firmware	All	All	All	All
Operating System	Hp	Zbook Studio X360 G5 Firmware	All	All	All	All
Hardware	Hp	Zhan 66 Pro 13 G2	-	All	All	All
Hardware	Hp	Zhan 66 Pro 13 G2	-	All	All	All
Operating System	Hp	Zhan 66 Pro 13 G2 Firmware	All	All	All	All
Operating System	Hp	Zhan 66 Pro 13 G2 Firmware	All	All	All	All
Hardware	Hp	Zhan 66 Pro 14 G2	-	All	All	All
Hardware	Hp	Zhan 66 Pro 14 G2	-	All	All	All
Operating System	Hp	Zhan 66 Pro 14 G2 Firmware	All	All	All	All
Operating System	Hp	Zhan 66 Pro 14 G2 Firmware	All	All	All	All
Hardware	Hp	Zhan 66 Pro 15 G2	-	All	All	All
Hardware	Hp	Zhan 66 Pro 15 G2	-	All	All	All
Operating System	Hp	Zhan 66 Pro 15 G2 Firmware	All	All	All	All
Operating System	Hp	Zhan 66 Pro 15 G2 Firmware	All	All	All	All
Hardware	Hp	Zhan X 13 G2	-	All	All	All
Hardware	Hp	Zhan X 13 G2	-	All	All	All
Operating System	Hp	Zhan X 13 G2 Firmware	All	All	All	All
Operating System	Hp	Zhan X 13 G2 Firmware	All	All	All	All
Hardware	Lenovo	Thinkpad A475	-	All	All	All
Hardware	Lenovo	Thinkpad A475	-	All	All	All
Operating System	Lenovo	Thinkpad A475 Firmware	All	All	All	All
Operating System	Lenovo	Thinkpad A475 Firmware	All	All	All	All
Hardware	Lenovo	Thinkpad A485	-	All	All	All
Hardware	Lenovo	Thinkpad A485	-	All	All	All
Operating System	Lenovo	Thinkpad A485 Firmware	All	All	All	All
Operating System	Lenovo	Thinkpad A485 Firmware	All	All	All	All

Hardware	Lenovo	Thinkpad 25	-	All	All	All
Hardware	Lenovo	Thinkpad 25	-	All	All	All
Operating System	Lenovo	Thinkpad 25 Firmware	All	All	All	All
Operating System	Lenovo	Thinkpad 25 Firmware	All	All	All	All
Hardware	Lenovo	Thinkpad A275	-	All	All	All
Hardware	Lenovo	Thinkpad A275	-	All	All	All
Operating System	Lenovo	Thinkpad A275 Firmware	All	All	All	All
Operating System	Lenovo	Thinkpad A275 Firmware	All	All	All	All
Hardware	Lenovo	Thinkpad E480	-	All	All	All
Hardware	Lenovo	Thinkpad E480	-	All	All	All
Operating System	Lenovo	Thinkpad E480 Firmware	All	All	All	All
Operating System	Lenovo	Thinkpad E480 Firmware	All	All	All	All
Hardware	Lenovo	Thinkpad E485	-	All	All	All
Hardware	Lenovo	Thinkpad E485	-	All	All	All
Operating System	Lenovo	Thinkpad E485 Firmware	All	All	All	All
Operating System	Lenovo	Thinkpad E485 Firmware	All	All	All	All
Hardware	Lenovo	Thinkpad E490	-	All	All	All
Hardware	Lenovo	Thinkpad E490	-	All	All	All
Hardware	Lenovo	Thinkpad E490s	-	All	All	All
Hardware	Lenovo	Thinkpad E490s	-	All	All	All
Operating System	Lenovo	Thinkpad E490s Firmware	All	All	All	All
Operating System	Lenovo	Thinkpad E490s Firmware	All	All	All	All
Operating System	Lenovo	Thinkpad E490 Firmware	All	All	All	All
Operating System	Lenovo	Thinkpad E490 Firmware	All	All	All	All
Hardware	Lenovo	Thinkpad E580	-	All	All	All
Hardware	Lenovo	Thinkpad E580	-	All	All	All
Operating System	Lenovo	Thinkpad E580 Firmware	All	All	All	All
Operating System	Lenovo	Thinkpad E580 Firmware	All	All	All	All
Hardware	Lenovo	Thinkpad E585	-	All	All	All
Hardware	Lenovo	Thinkpad E585	-	All	All	All
Operating System	Lenovo	Thinkpad E585 Firmware	All	All	All	All
Operating System	Lenovo	Thinkpad E585 Firmware	All	All	All	All
Hardware	Lenovo	Thinkpad E590	-	All	All	All
Hardware	Lenovo	Thinkpad E590	-	All	All	All
Operating System	Lenovo	Thinkpad E590 Firmware	All	All	All	All
Operating System	Lenovo	Thinkpad E590 Firmware	All	All	All	All

Operating System	Lenovo	Thinkpad E590 Firmware	All	All	All	All
Hardware	Lenovo	Thinkpad L480	-	All	All	All
Hardware	Lenovo	Thinkpad L480	-	All	All	All
Operating System	Lenovo	Thinkpad L480 Firmware	All	All	All	All
Operating System	Lenovo	Thinkpad L480 Firmware	All	All	All	All
Hardware	Lenovo	Thinkpad L580	-	All	All	All
Hardware	Lenovo	Thinkpad L580	-	All	All	All
Operating System	Lenovo	Thinkpad L580 Firmware	All	All	All	All
Operating System	Lenovo	Thinkpad L580 Firmware	All	All	All	All
Hardware	Lenovo	Thinkpad P1	-	All	All	All
Hardware	Lenovo	Thinkpad P1	-	All	All	All
Operating System	Lenovo	Thinkpad P1 Firmware	All	All	All	All
Operating System	Lenovo	Thinkpad P1 Firmware	All	All	All	All
Hardware	Lenovo	Thinkpad P1 Gen 2	-	All	All	All
Hardware	Lenovo	Thinkpad P1 Gen 2	-	All	All	All
Operating System	Lenovo	Thinkpad P1 Gen 2 Firmware	All	All	All	All
Operating System	Lenovo	Thinkpad P1 Gen 2 Firmware	All	All	All	All
Hardware	Lenovo	Thinkpad P43s	-	All	All	All
Hardware	Lenovo	Thinkpad P43s	-	All	All	All
Operating System	Lenovo	Thinkpad P43s Firmware	All	All	All	All
Operating System	Lenovo	Thinkpad P43s Firmware	All	All	All	All
Hardware	Lenovo	Thinkpad P50	-	All	All	All
Hardware	Lenovo	Thinkpad P50	-	All	All	All
Operating System	Lenovo	Thinkpad P50 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 P51	-	All	All	All
Hardware	Lenovo	Thinkpad P51s 20hx	-	All	All	All
Operating System	Lenovo	Thinkpad P51s 20hx Firmware	All	All	All	All
Hardware	Lenovo	Thinkpad P51s 20jx	-	All	All	All
Operating System	Lenovo	Thinkpad P51s 20jx Firmware	All	All	All	All
Hardware	Lenovo	Thinkpad P51s 20kx	-	All	All	All
Operating System	Lenovo	Thinkpad P51s 20kx Firmware	All	All	All	All
Hardware	Lenovo	Thinkpad P51s 20hx	-	All	All	All
Hardware	Lenovo	Thinkpad P51s 20hx	-	All	All	All
Operating System	Lenovo	Thinkpad P51s 20hx Firmware	All	All	All	All

Operating System	Lenovo	Thinkpad P51s 20hx Firmware	All	All	All	All
Hardware	Lenovo	Thinkpad P51s 20jx	-	All	All	All
Hardware	Lenovo	Thinkpad P51s 20jx	-	All	All	All
Operating System	Lenovo	Thinkpad P51s 20jx Firmware	All	All	All	All
Operating System	Lenovo	Thinkpad P51s 20jx Firmware	All	All	All	All
Hardware	Lenovo	Thinkpad P51s 20kx	-	All	All	All
Hardware	Lenovo	Thinkpad P51s 20kx	-	All	All	All
Operating System	Lenovo	Thinkpad P51s 20kx Firmware	All	All	All	All
Operating System	Lenovo	Thinkpad P51s 20kx Firmware	All	All	All	All
Operating System	Lenovo	Thinkpad P51 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 P52	-	All	All	All
Hardware	Lenovo	Thinkpad P52s	-	All	All	All
Hardware	Lenovo	Thinkpad P52s	-	All	All	All
Operating System	Lenovo	Thinkpad P52s Firmware	All	All	All	All
Operating System	Lenovo	Thinkpad P52s Firmware	All	All	All	All
Operating System	Lenovo	Thinkpad P52 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 P53	-	All	All	All
Hardware	Lenovo	Thinkpad P53s	-	All	All	All
Hardware	Lenovo	Thinkpad P53s	-	All	All	All
Operating System	Lenovo	Thinkpad P53s Firmware	All	All	All	All
Operating System	Lenovo	Thinkpad P53s Firmware	All	All	All	All
Operating System	Lenovo	Thinkpad P53 Firmware	All	All	All	All
Operating System	Lenovo	Thinkpad P53 Firmware	All	All	All	All
Hardware	Lenovo	Thinkpad P70	-	All	All	All
Hardware	Lenovo	Thinkpad P70	-	All	All	All
Operating System	Lenovo	Thinkpad P70 Firmware	All	All	All	All
Operating System	Lenovo	Thinkpad P70 Firmware	All	All	All	All
Hardware	Lenovo	Thinkpad P71 20hx	-	All	All	All
Operating System	Lenovo	Thinkpad P71 20hx Firmware	All	All	All	All
Hardware	Lenovo	Thinkpad P71 20hx	-	All	All	All
Hardware	Lenovo	Thinkpad P71 20hx	-	All	All	All

Operating System	Lenovo	Thinkpad P71 20hx Firmware	All	All	All	All
Operating System	Lenovo	Thinkpad P71 20hx Firmware	All	All	All	All
Hardware	Lenovo	Thinkpad P72	-	All	All	All
Hardware	Lenovo	Thinkpad P72	-	All	All	All
Operating System	Lenovo	Thinkpad P72 Firmware	All	All	All	All
Operating System	Lenovo	Thinkpad P72 Firmware	All	All	All	All
Hardware	Lenovo	Thinkpad P73	-	All	All	All
Hardware	Lenovo	Thinkpad P73	-	All	All	All
Operating System	Lenovo	Thinkpad P73 Firmware	All	All	All	All
Operating System	Lenovo	Thinkpad P73 Firmware	All	All	All	All
Hardware	Lenovo	Thinkpad R490	-	All	All	All
Hardware	Lenovo	Thinkpad R490	-	All	All	All
Operating System	Lenovo	Thinkpad R490 Firmware	All	All	All	All
Operating System	Lenovo	Thinkpad R490 Firmware	All	All	All	All
Hardware	Lenovo	Thinkpad R590	-	All	All	All
Hardware	Lenovo	Thinkpad R590	-	All	All	All
Operating System	Lenovo	Thinkpad R590 Firmware	All	All	All	All
Operating System	Lenovo	Thinkpad R590 Firmware	All	All	All	All
Hardware	Lenovo	Thinkpad S1 3rd	-	All	All	All
Hardware	Lenovo	Thinkpad S1 3rd	-	All	All	All
Operating System	Lenovo	Thinkpad S1 3rd Firmware	All	All	All	All
Operating System	Lenovo	Thinkpad S1 3rd Firmware	All	All	All	All
Hardware	Lenovo	Thinkpad S3	-	All	All	All
Hardware	Lenovo	Thinkpad S3	-	All	All	All
Operating System	Lenovo	Thinkpad S3 Firmware	All	All	All	All
Operating System	Lenovo	Thinkpad S3 Firmware	All	All	All	All
Hardware	Lenovo	Thinkpad T25 20k7	-	All	All	All
Operating System	Lenovo	Thinkpad T25 20k7 Firmware	All	All	All	All
Hardware	Lenovo	Thinkpad T25 20k7	-	All	All	All
Hardware	Lenovo	Thinkpad T25 20k7	-	All	All	All
Operating System	Lenovo	Thinkpad T25 20k7 Firmware	All	All	All	All
Operating System	Lenovo	Thinkpad T25 20k7 Firmware	All	All	All	All
Hardware	Lenovo	Thinkpad T460p	-	All	All	All
Hardware	Lenovo	Thinkpad T460p	-	All	All	All
Operating System	Lenovo	Thinkpad T460p Firmware	All	All	All	All
Operating System	Lenovo	Thinkpad T460p Firmware	All	All	All	All

Operating System	Lenovo	Thinkpad T460p Firmware	-	All	All	All
Hardware	Lenovo	Thinkpad T460s	-	All	All	All
Hardware	Lenovo	Thinkpad T460s	-	All	All	All
Operating System	Lenovo	Thinkpad T460s Firmware	All	All	All	All
Operating System	Lenovo	Thinkpad T460s Firmware	All	All	All	All
Hardware	Lenovo	Thinkpad T470p	-	All	All	All
Hardware	Lenovo	Thinkpad T470p	-	All	All	All
Operating System	Lenovo	Thinkpad T470p Firmware	All	All	All	All
Operating System	Lenovo	Thinkpad T470p Firmware	All	All	All	All
Hardware	Lenovo	Thinkpad T470s 20hx	-	All	All	All
Operating System	Lenovo	Thinkpad T470s 20hx Firmware	All	All	All	All
Hardware	Lenovo	Thinkpad T470s 20jx	-	All	All	All
Operating System	Lenovo	Thinkpad T470s 20jx Firmware	All	All	All	All
Hardware	Lenovo	Thinkpad T470s 20hx	-	All	All	All
Hardware	Lenovo	Thinkpad T470s 20hx	-	All	All	All
Operating System	Lenovo	Thinkpad T470s 20hx Firmware	All	All	All	All
Operating System	Lenovo	Thinkpad T470s 20hx Firmware	All	All	All	All
Hardware	Lenovo	Thinkpad T470s 20jx	-	All	All	All
Hardware	Lenovo	Thinkpad T470s 20jx	-	All	All	All
Operating System	Lenovo	Thinkpad T470s 20jx Firmware	All	All	All	All
Operating System	Lenovo	Thinkpad T470s 20jx Firmware	All	All	All	All
Hardware	Lenovo	Thinkpad T470 20hx	-	All	All	All
Operating System	Lenovo	Thinkpad T470 20hx Firmware	All	All	All	All
Hardware	Lenovo	Thinkpad T470 20jx	-	All	All	All
Operating System	Lenovo	Thinkpad T470 20jx Firmware	All	All	All	All
Hardware	Lenovo	Thinkpad T470 20hx	-	All	All	All
Hardware	Lenovo	Thinkpad T470 20hx	-	All	All	All
Operating System	Lenovo	Thinkpad T470 20hx Firmware	All	All	All	All
Operating System	Lenovo	Thinkpad T470 20hx Firmware	All	All	All	All
Hardware	Lenovo	Thinkpad T470 20jx	-	All	All	All
Hardware	Lenovo	Thinkpad T470 20jx	-	All	All	All
Operating System	Lenovo	Thinkpad T470 20jx Firmware	All	All	All	All
Operating System	Lenovo	Thinkpad T470 20jx Firmware	All	All	All	All
Hardware	Lenovo	Thinkpad T480	-	All	All	All
Hardware	Lenovo	Thinkpad T480	-	All	All	All
Hardware	Lenovo	Thinkpad T480s	-	All	All	All

Hardware	Lenovo	Thinkpad T480s	-	All	All	All
Operating System	Lenovo	Thinkpad T480s Firmware	All	All	All	All
Operating System	Lenovo	Thinkpad T480s Firmware	All	All	All	All
Operating System	Lenovo	Thinkpad T480 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 T490	-	All	All	All
Hardware	Lenovo	Thinkpad T490s	-	All	All	All
Hardware	Lenovo	Thinkpad T490s	-	All	All	All
Operating System	Lenovo	Thinkpad T490s Firmware	All	All	All	All
Operating System	Lenovo	Thinkpad T490s Firmware	All	All	All	All
Operating System	Lenovo	Thinkpad T490 Firmware	All	All	All	All
Operating System	Lenovo	Thinkpad T490 Firmware	All	All	All	All
Hardware	Lenovo	Thinkpad T57020jx	-	All	All	All
Operating System	Lenovo	Thinkpad T57020jx Firmware	All	All	All	All
Hardware	Lenovo	Thinkpad T57020jx	-	All	All	All
Hardware	Lenovo	Thinkpad T57020jx	-	All	All	All
Operating System	Lenovo	Thinkpad T57020jx Firmware	All	All	All	All
Operating System	Lenovo	Thinkpad T57020jx Firmware	All	All	All	All
Hardware	Lenovo	Thinkpad T570 20hx	-	All	All	All
Operating System	Lenovo	Thinkpad T570 20hx Firmware	All	All	All	All
Hardware	Lenovo	Thinkpad T570 20hx	-	All	All	All
Hardware	Lenovo	Thinkpad T570 20hx	-	All	All	All
Operating System	Lenovo	Thinkpad T570 20hx Firmware	All	All	All	All
Operating System	Lenovo	Thinkpad T570 20hx Firmware	All	All	All	All
Hardware	Lenovo	Thinkpad T580	-	All	All	All
Hardware	Lenovo	Thinkpad T580	-	All	All	All
Operating System	Lenovo	Thinkpad T580 Firmware	All	All	All	All
Operating System	Lenovo	Thinkpad T580 Firmware	All	All	All	All
Hardware	Lenovo	Thinkpad T590	-	All	All	All
Hardware	Lenovo	Thinkpad T590	-	All	All	All
Operating System	Lenovo	Thinkpad T590 Firmware	All	All	All	All
Operating System	Lenovo	Thinkpad T590 Firmware	All	All	All	All
Hardware	Lenovo	Thinkpad X1 Carbon	-	All	All	All
Hardware	Lenovo	Thinkpad X1 Carbon	-	All	All	All

Hardware	Lenovo	Thinkpad X1 Carbon 20hx	-	All	All	All
Operating System	Lenovo	Thinkpad X1 Carbon 20hx Firmware	All	All	All	All
Hardware	Lenovo	Thinkpad X1 Carbon 20kx	-	All	All	All
Operating System	Lenovo	Thinkpad X1 Carbon 20kx Firmware	All	All	All	All
Operating System	Lenovo	Thinkpad X1 Carbon Firmware	All	All	All	All
Operating System	Lenovo	Thinkpad X1 Carbon Firmware	All	All	All	All
Hardware	Lenovo	Thinkpad X1 Carbon 20hx	-	All	All	All
Hardware	Lenovo	Thinkpad X1 Carbon 20hx	-	All	All	All
Operating System	Lenovo	Thinkpad X1 Carbon 20hx Firmware	All	All	All	All
Operating System	Lenovo	Thinkpad X1 Carbon 20hx Firmware	All	All	All	All
Hardware	Lenovo	Thinkpad X1 Carbon 20kx	-	All	All	All
Hardware	Lenovo	Thinkpad X1 Carbon 20kx	-	All	All	All
Operating System	Lenovo	Thinkpad X1 Carbon 20kx Firmware	All	All	All	All
Operating System	Lenovo	Thinkpad X1 Carbon 20kx Firmware	All	All	All	All
Hardware	Lenovo	Thinkpad X1 Extreme	-	All	All	All
Hardware	Lenovo	Thinkpad X1 Extreme	-	All	All	All
Hardware	Lenovo	Thinkpad X1 Extreme 2nd	-	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 2nd Firmware	All	All	All	All
Operating System	Lenovo	Thinkpad X1 Extreme Firmware	All	All	All	All
Operating System	Lenovo	Thinkpad X1 Extreme Firmware	All	All	All	All
Hardware	Lenovo	Thinkpad X1 Tablet	-	All	All	All
Hardware	Lenovo	Thinkpad X1 Tablet	-	All	All	All
Hardware	Lenovo	Thinkpad X1 Tablet 20jx	-	All	All	All
Operating System	Lenovo	Thinkpad X1 Tablet 20jx Firmware	All	All	All	All
Operating System	Lenovo	Thinkpad X1 Tablet Firmware	All	All	All	All
Operating System	Lenovo	Thinkpad X1 Tablet Firmware	All	All	All	All
Hardware	Lenovo	Thinkpad X1 Tablet 20jx	-	All	All	All
Hardware	Lenovo	Thinkpad X1 Tablet 20jx	-	All	All	All
Operating System	Lenovo	Thinkpad X1 Tablet 20jx Firmware	All	All	All	All
Operating System	Lenovo	Thinkpad X1 Tablet 20jx Firmware	All	All	All	All
Hardware	Lenovo	Thinkpad X1 Yoga	-	All	All	All
Hardware	Lenovo	Thinkpad X1 Yoga	-	All	All	All
Hardware	Lenovo	Thinkpad X1 Yoga 20jx	-	All	All	All
Operating System	Lenovo	Thinkpad X1 Yoga 20jx Firmware	All	All	All	All

Operating System	Lenovo	Thinkpad X1 Yoga 3rd Gen Firmware	-	All	All	All
Hardware	Lenovo	Thinkpad X1 Yoga 3rd Gen	-	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
Operating System	Lenovo	Thinkpad X1 Yoga 3rd Gen Firmware	All	All	All	All
Hardware	Lenovo	Thinkpad X1 Yoga 4th Gen	-	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
Operating System	Lenovo	Thinkpad X1 Yoga 4th Gen Firmware	All	All	All	All
Operating System	Lenovo	Thinkpad X1 Yoga Firmware	All	All	All	All
Operating System	Lenovo	Thinkpad X1 Yoga Firmware	All	All	All	All
Hardware	Lenovo	Thinkpad X1 Yoga 20jx	-	All	All	All
Hardware	Lenovo	Thinkpad X1 Yoga 20jx	-	All	All	All
Operating System	Lenovo	Thinkpad X1 Yoga 20jx Firmware	All	All	All	All
Operating System	Lenovo	Thinkpad X1 Yoga 20jx Firmware	All	All	All	All
Hardware	Lenovo	Thinkpad X270	-	All	All	All
Hardware	Lenovo	Thinkpad X270	-	All	All	All
Operating System	Lenovo	Thinkpad X270 Firmware	All	All	All	All
Operating System	Lenovo	Thinkpad X270 Firmware	All	All	All	All
Hardware	Lenovo	Thinkpad X280	-	All	All	All
Hardware	Lenovo	Thinkpad X280	-	All	All	All
Operating System	Lenovo	Thinkpad X280 Firmware	All	All	All	All
Operating System	Lenovo	Thinkpad X280 Firmware	All	All	All	All
Hardware	Lenovo	Thinkpad X380 Yoga	-	All	All	All
Hardware	Lenovo	Thinkpad X380 Yoga	-	All	All	All
Operating System	Lenovo	Thinkpad X380 Yoga Firmware	All	All	All	All
Operating System	Lenovo	Thinkpad X380 Yoga Firmware	All	All	All	All
Hardware	Lenovo	Thinkpad X390	-	All	All	All
Hardware	Lenovo	Thinkpad X390	-	All	All	All
Operating System	Lenovo	Thinkpad X390 Firmware	All	All	All	All
Operating System	Lenovo	Thinkpad X390 Firmware	All	All	All	All
Hardware	Lenovo	Thinkpad X390 Yoga	-	All	All	All
Hardware	Lenovo	Thinkpad X390 Yoga	-	All	All	All
Operating System	Lenovo	Thinkpad X390 Yoga Firmware	All	All	All	All
Operating System	Lenovo	Thinkpad X390 Yoga Firmware	All	All	All	All
Hardware	Lenovo	Thinkpad Yoga 260	-	All	All	All

Hardware	Lenovo	Thinkpad Yoga 260	-	All	All	All
Operating System	Lenovo	Thinkpad Yoga 260 Firmware	All	All	All	All
Operating System	Lenovo	Thinkpad Yoga 260 Firmware	All	All	All	All
Hardware	Lenovo	Thinkpad Yoga 370	-	All	All	All
Hardware	Lenovo	Thinkpad Yoga 370	-	All	All	All
Operating System	Lenovo	Thinkpad Yoga 370 Firmware	All	All	All	All
Operating System	Lenovo	Thinkpad Yoga 370 Firmware	All	All	All	All
Hardware	Lenovo	Thinkpad Yoga S1	-	All	All	All
Hardware	Lenovo	Thinkpad Yoga S1	-	All	All	All
Operating System	Lenovo	Thinkpad Yoga S1 Firmware	All	All	All	All
Operating System	Lenovo	Thinkpad Yoga S1 Firmware	All	All	All	All
Hardware	Synaptics	Vfs75xx	-	All	All	All
Hardware	Synaptics	Vfs75xx	-	All	All	All
Operating System	Synaptics	Vfs75xx Firmware	5.1.337.26	All	All	All
Operating System	Synaptics	Vfs75xx Firmware	5.1.3507.26	All	All	All
Operating System	Synaptics	Vfs75xx Firmware	5.1.5.51	All	All	All
Operating System	Synaptics	Vfs75xx Firmware	5.2.3109.26	All	All	All
Operating System	Synaptics	Vfs75xx Firmware	5.2.320.26	All	All	All
Operating System	Synaptics	Vfs75xx Firmware	5.2.3530.26	All	All	All
Operating System	Synaptics	Vfs75xx Firmware	5.2.5024.26	All	All	All
Operating System	Synaptics	Vfs75xx Firmware	5.2.524.26	All	All	All
Operating System	Synaptics	Vfs75xx Firmware	5.3.3541.26	All	All	All
Operating System	Synaptics	Vfs75xx Firmware	5.5.10.1100	All	All	All
Operating System	Synaptics	Vfs75xx Firmware	5.5.10.1106	All	All	All
Operating System	Synaptics	Vfs75xx Firmware	5.5.17.1099	All	All	All
Operating System	Synaptics	Vfs75xx Firmware	5.5.17.1102	All	All	All
Operating System	Synaptics	Vfs75xx Firmware	5.5.2734.1050	All	All	All
Operating System	Synaptics	Vfs75xx Firmware	5.5.2810.1050	All	All	All
Operating System	Synaptics	Vfs75xx Firmware	5.5.35.1058	All	All	All
Operating System	Synaptics	Vfs75xx Firmware	5.5.4.1116	All	All	All
Operating System	Synaptics	Vfs75xx Firmware	5.5.502.79	All	All	All
Operating System	Synaptics	Vfs75xx Firmware	5.5.512.1051	All	All	All
Operating System	Synaptics	Vfs75xx Firmware	5.5.8.1092	All	All	All
Operating System	Synaptics	Vfs75xx Firmware	5.1.337.26	All	All	All
Operating System	Synaptics	Vfs75xx Firmware	5.1.3507.26	All	All	All

Operating System	Synaptics	Vfs75xx Firmware	5.1.5.51	All	All	All
Operating System	Synaptics	Vfs75xx Firmware	5.2.3109.26	All	All	All
Operating System	Synaptics	Vfs75xx Firmware	5.2.320.26	All	All	All
Operating System	Synaptics	Vfs75xx Firmware	5.2.3530.26	All	All	All
Operating System	Synaptics	Vfs75xx Firmware	5.2.5024.26	All	All	All
Operating System	Synaptics	Vfs75xx Firmware	5.2.524.26	All	All	All
Operating System	Synaptics	Vfs75xx Firmware	5.3.3541.26	All	All	All
Operating System	Synaptics	Vfs75xx Firmware	5.5.10.1100	All	All	All
Operating System	Synaptics	Vfs75xx Firmware	5.5.10.1106	All	All	All
Operating System	Synaptics	Vfs75xx Firmware	5.5.17.1099	All	All	All
Operating System	Synaptics	Vfs75xx Firmware	5.5.17.1102	All	All	All
Operating System	Synaptics	Vfs75xx Firmware	5.5.2734.1050	All	All	All
Operating System	Synaptics	Vfs75xx Firmware	5.5.2810.1050	All	All	All
Operating System	Synaptics	Vfs75xx Firmware	5.5.35.1058	All	All	All
Operating System	Synaptics	Vfs75xx Firmware	5.5.4.1116	All	All	All
Operating System	Synaptics	Vfs75xx Firmware	5.5.502.79	All	All	All
Operating System	Synaptics	Vfs75xx Firmware	5.5.512.1051	All	All	All
Operating System	Synaptics	Vfs75xx Firmware	5.5.8.1092	All	All	All

References

Reference	Source	Link
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HPSBHF03674 rev. 1 - Synaptics® VFS75xx Fingerprint Sensors Equipped with External Flash HP® Customer Support	MISC	supp
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www.synaptics.com/sites/default/files/fingerprint-sensor-VFS7500-security-brief...	CONFIRM	www
CVE Program record	CVE.ORG	www
NVD vulnerability detail	NVD	nvd.i

No vendor comments have been submitted for this CVE.

Legacy QID Mappings

375625 Lenovo Synaptics Fingerprint Multiple Vulnerabilities (LEN-31372)

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