



CVE-2022-31638

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

Summary

CVE	CVE-2022-31638
State	PUBLIC
Assigner	hp-security-alert@hp.com
Source Priority	CVE Program / NVD first with legacy fallback
Published	2023-06-13 17:15:00 UTC
Updated	2023-06-29 19:56:00 UTC
Description	Potential time-of-check to time-of-use (TOCTOU) vulnerabilities have been identified in the BIOS for certain HP PC product

Risk And Classification

Problem Types: CWE-367

NVD Known Affected Configurations (CPE 2.3)

Type	Vendor	Product	Version	Update	Edition
Hardware	Hp	Dragonfly Folio 13.5 Inch G3 2-in-1 Notebook Pc	-	All	All
Operating System	Hp	Dragonfly Folio 13.5 Inch G3 2-in-1 Notebook Pc Firmware	All	All	All
Hardware	Hp	Elitebook 1030 G1	-	All	All
Operating System	Hp	Elitebook 1030 G1 Firmware	All	All	All
Hardware	Hp	Elitebook 1040 14 Inch G9 Notebook Pc	-	All	All
Operating System	Hp	Elitebook 1040 14 Inch G9 Notebook Pc Firmware	All	All	All
Hardware	Hp	Elitebook 1040 G3	-	All	All
Operating System	Hp	Elitebook 1040 G3 Firmware	All	All	All
Hardware	Hp	Elitebook 1040 G4	-	All	All
Operating System	Hp	Elitebook 1040 G4 Firmware	All	All	All
Hardware	Hp	Elitebook 1050 G1	-	All	All
Operating System	Hp	Elitebook 1050 G1 Firmware	All	All	All
Hardware	Hp	Elitebook 630 13 Inch G9 Notebook Pc	-	All	All
Operating System	Hp	Elitebook 630 13 Inch G9 Notebook Pc Firmware	All	All	All
Hardware	Hp	Elitebook 640 14 Inch G9 Notebook Pc	-	All	All
Operating System	Hp	Elitebook 640 14 Inch G9 Notebook Pc Firmware	All	All	All
Hardware	Hp	Elitebook 645 14 Inch G9 Notebook Pc	-	All	All

Operating System	Hp	Elitebook 645 14 Inch G9 Notebook Pc Firmware	All	All	All
Hardware	Hp	Elitebook 650 15.6 Inch G9 Notebook Pc	-	All	All
Operating System	Hp	Elitebook 650 15.6 Inch G9 Notebook Pc Firmware	All	All	All
Hardware	Hp	Elitebook 655 15.6 Inch G9 Notebook Pc	-	All	All
Operating System	Hp	Elitebook 655 15.6 Inch G9 Notebook Pc Firmware	All	All	All
Hardware	Hp	Elitebook 725 G3	-	All	All
Operating System	Hp	Elitebook 725 G3 Firmware	All	All	All
Hardware	Hp	Elitebook 725 G4	-	All	All
Operating System	Hp	Elitebook 725 G4 Firmware	All	All	All
Hardware	Hp	Elitebook 735 G5	-	All	All
Operating System	Hp	Elitebook 735 G5 Firmware	All	All	All
Hardware	Hp	Elitebook 735 G6	-	All	All
Operating System	Hp	Elitebook 735 G6 Firmware	All	All	All
Hardware	Hp	Elitebook 745 G3	-	All	All
Operating System	Hp	Elitebook 745 G3 Firmware	All	All	All
Hardware	Hp	Elitebook 745 G4	-	All	All
Operating System	Hp	Elitebook 745 G4 Firmware	All	All	All
Hardware	Hp	Elitebook 745 G5	-	All	All
Operating System	Hp	Elitebook 745 G5 Firmware	All	All	All
Hardware	Hp	Elitebook 745 G6	-	All	All
Operating System	Hp	Elitebook 745 G6 Firmware	All	All	All
Hardware	Hp	Elitebook 755 G3	-	All	All
Operating System	Hp	Elitebook 755 G3 Firmware	All	All	All
Hardware	Hp	Elitebook 755 G4	-	All	All
Operating System	Hp	Elitebook 755 G4 Firmware	All	All	All
Hardware	Hp	Elitebook 755 G5	-	All	All
Operating System	Hp	Elitebook 755 G5 Firmware	All	All	All
Hardware	Hp	Elitebook 820 G3	-	All	All
Operating System	Hp	Elitebook 820 G3 Firmware	All	All	All
Hardware	Hp	Elitebook 820 G4	-	All	All
Operating System	Hp	Elitebook 820 G4 Firmware	All	All	All
Hardware	Hp	Elitebook 828 G3	-	All	All
Operating System	Hp	Elitebook 828 G3 Firmware	All	All	All
Hardware	Hp	Elitebook 828 G4	-	All	All
Operating System	Hp	Elitebook 828 G4 Firmware	All	All	All

Hardware	Hp	Elitebook 830 13.3 Inch G9 Notebook Pc	-	All	All
Operating System	Hp	Elitebook 830 13.3 Inch G9 Notebook Pc Firmware	All	All	All
Hardware	Hp	Elitebook 830 G5	-	All	All
Operating System	Hp	Elitebook 830 G5 Firmware	All	All	All
Hardware	Hp	Elitebook 830 G6	-	All	All
Operating System	Hp	Elitebook 830 G6 Firmware	All	All	All
Hardware	Hp	Elitebook 830 G7	-	All	All
Operating System	Hp	Elitebook 830 G7 Firmware	All	All	All
Hardware	Hp	Elitebook 830 G8	-	All	All
Operating System	Hp	Elitebook 830 G8 Firmware	All	All	All
Hardware	Hp	Elitebook 835 13 Inch G9 Notebook Pc	-	All	All
Operating System	Hp	Elitebook 835 13 Inch G9 Notebook Pc Firmware	All	All	All
Hardware	Hp	Elitebook 835 G7	-	All	All
Operating System	Hp	Elitebook 835 G7 Firmware	All	All	All
Hardware	Hp	Elitebook 835 G8	-	All	All
Operating System	Hp	Elitebook 835 G8 Firmware	All	All	All
Hardware	Hp	Elitebook 836 G5	-	All	All
Operating System	Hp	Elitebook 836 G5 Firmware	All	All	All
Hardware	Hp	Elitebook 836 G6	-	All	All
Operating System	Hp	Elitebook 836 G6 Firmware	All	All	All
Hardware	Hp	Elitebook 840r G4	-	All	All
Operating System	Hp	Elitebook 840r G4 Firmware	All	All	All
Hardware	Hp	Elitebook 840 14 Inch G9 Notebook Pc	-	All	All
Operating System	Hp	Elitebook 840 14 Inch G9 Notebook Pc Firmware	All	All	All
Hardware	Hp	Elitebook 840 Aero G8	-	All	All
Operating System	Hp	Elitebook 840 Aero G8 Firmware	All	All	All
Hardware	Hp	Elitebook 840 G3	-	All	All
Operating System	Hp	Elitebook 840 G3 Firmware	All	All	All
Hardware	Hp	Elitebook 840 G4	-	All	All
Operating System	Hp	Elitebook 840 G4 Firmware	All	All	All
Hardware	Hp	Elitebook 840 G5	-	All	All
Operating System	Hp	Elitebook 840 G5 Firmware	All	All	All
Hardware	Hp	Elitebook 840 G5 Healthcare Edition	-	All	All
Operating System	Hp	Elitebook 840 G5 Healthcare Edition Firmware	All	All	All
Hardware	Hp	Elitebook 840 G6	-	All	All

Operating System	Hp	Elitebook 840 G6 Firmware	All	All	All
Hardware	Hp	Elitebook 840 G6 Healthcare Edition	-	All	All
Operating System	Hp	Elitebook 840 G6 Healthcare Edition Firmware	All	All	All
Hardware	Hp	Elitebook 840 G7	-	All	All
Operating System	Hp	Elitebook 840 G7 Firmware	All	All	All
Hardware	Hp	Elitebook 840 G8	-	All	All
Operating System	Hp	Elitebook 840 G8 Firmware	All	All	All
Hardware	Hp	Elitebook 845 14 Inch G9 Notebook Pc	-	All	All
Operating System	Hp	Elitebook 845 14 Inch G9 Notebook Pc Firmware	All	All	All
Hardware	Hp	Elitebook 845 G7	-	All	All
Operating System	Hp	Elitebook 845 G7 Firmware	All	All	All
Hardware	Hp	Elitebook 845 G8	-	All	All
Operating System	Hp	Elitebook 845 G8 Firmware	All	All	All
Hardware	Hp	Elitebook 846 G5	-	All	All
Operating System	Hp	Elitebook 846 G5 Firmware	All	All	All
Hardware	Hp	Elitebook 848 G3	-	All	All
Operating System	Hp	Elitebook 848 G3 Firmware	All	All	All
Hardware	Hp	Elitebook 848 G4	-	All	All
Operating System	Hp	Elitebook 848 G4 Firmware	All	All	All
Hardware	Hp	Elitebook 850 G3	-	All	All
Operating System	Hp	Elitebook 850 G3 Firmware	All	All	All
Hardware	Hp	Elitebook 850 G4	-	All	All
Operating System	Hp	Elitebook 850 G4 Firmware	All	All	All
Hardware	Hp	Elitebook 850 G5	-	All	All
Operating System	Hp	Elitebook 850 G5 Firmware	All	All	All
Hardware	Hp	Elitebook 850 G6	-	All	All
Operating System	Hp	Elitebook 850 G6 Firmware	All	All	All
Hardware	Hp	Elitebook 850 G7	-	All	All
Operating System	Hp	Elitebook 850 G7 Firmware	All	All	All
Hardware	Hp	Elitebook 850 G8	-	All	All
Operating System	Hp	Elitebook 850 G8 Firmware	All	All	All
Hardware	Hp	Elitebook 855 G7	-	All	All
Operating System	Hp	Elitebook 855 G7 Firmware	All	All	All
Hardware	Hp	Elitebook 855 G8	-	All	All
Operating System	Hp	Elitebook 855 G8 Firmware	All	All	All
Hardware	Hp	Elitebook 860 16 Inch G9 Notebook Pc	-	All	All

Operating System	Hp	Elitebook 860 16 Inch G9 Notebook Pc Firmware	All	All	All
Hardware	Hp	Elitebook 865 16 Inch G9 Notebook Pc	-	All	All
Operating System	Hp	Elitebook 865 16 Inch G9 Notebook Pc Firmware	All	All	All
Hardware	Hp	Elitebook Folio G1	-	All	All
Operating System	Hp	Elitebook Folio G1 Firmware	All	All	All
Hardware	Hp	Elitebook X360 1020 G2	-	All	All
Operating System	Hp	Elitebook X360 1020 G2 Firmware	All	All	All
Hardware	Hp	Elitebook X360 1030 G2	-	All	All
Operating System	Hp	Elitebook X360 1030 G2 Firmware	All	All	All
Hardware	Hp	Elitebook X360 1030 G3	-	All	All
Operating System	Hp	Elitebook X360 1030 G3 Firmware	All	All	All
Hardware	Hp	Elitebook X360 1030 G4	-	All	All
Operating System	Hp	Elitebook X360 1030 G4 Firmware	All	All	All
Hardware	Hp	Elitebook X360 1030 G7	-	All	All
Operating System	Hp	Elitebook X360 1030 G7 Firmware	All	All	All
Hardware	Hp	Elitebook X360 1030 G8	-	All	All
Operating System	Hp	Elitebook X360 1030 G8 Firmware	All	All	All
Hardware	Hp	Elitebook X360 1040 G5	-	All	All
Operating System	Hp	Elitebook X360 1040 G5 Firmware	All	All	All
Hardware	Hp	Elitebook X360 1040 G6	-	All	All
Operating System	Hp	Elitebook X360 1040 G6 Firmware	All	All	All
Hardware	Hp	Elitebook X360 1040 G7	-	All	All
Operating System	Hp	Elitebook X360 1040 G7 Firmware	All	All	All
Hardware	Hp	Elitebook X360 1040 G8	-	All	All
Operating System	Hp	Elitebook X360 1040 G8 Firmware	All	All	All
Hardware	Hp	Elitebook X360 830 G5	-	All	All
Operating System	Hp	Elitebook X360 830 G5 Firmware	All	All	All
Hardware	Hp	Elitebook X360 830 G6	-	All	All
Operating System	Hp	Elitebook X360 830 G6 Firmware	All	All	All
Hardware	Hp	Elitebook X360 830 G7	-	All	All
Operating System	Hp	Elitebook X360 830 G7 Firmware	All	All	All
Hardware	Hp	Elitebook X360 830 G8	-	All	All
Operating System	Hp	Elitebook X360 830 G8 Firmware	All	All	All
Hardware	Hp	Elitedesk 705 G3 Desktop Mini Pc	-	All	All
Operating System	Hp	Elitedesk 705 G3 Desktop Mini Pc Firmware	All	All	All

Hardware	Hp	Elitedesk 705 G3 Microtower Pc	-	All	All
Operating System	Hp	Elitedesk 705 G3 Microtower Pc Firmware	All	All	All
Hardware	Hp	Elitedesk 705 G3 Small Form Factor Pc	-	All	All
Operating System	Hp	Elitedesk 705 G3 Small Form Factor Pc Firmware	All	All	All
Hardware	Hp	Elitedesk 705 G4 Desktop Mini Pc	-	All	All
Operating System	Hp	Elitedesk 705 G4 Desktop Mini Pc Firmware	All	All	All
Hardware	Hp	Elitedesk 705 G4 Microtower Pc	-	All	All
Operating System	Hp	Elitedesk 705 G4 Microtower Pc Firmware	All	All	All
Hardware	Hp	Elitedesk 705 G4 Small Form Factor Pc	-	All	All
Operating System	Hp	Elitedesk 705 G4 Small Form Factor Pc Firmware	All	All	All
Hardware	Hp	Elitedesk 705 G4 Workstation Edition	-	All	All
Operating System	Hp	Elitedesk 705 G4 Workstation Edition Firmware	All	All	All
Hardware	Hp	Elitedesk 705 G5 Desktop Mini Pc	-	All	All
Operating System	Hp	Elitedesk 705 G5 Desktop Mini Pc Firmware	All	All	All
Hardware	Hp	Elitedesk 705 G5 Small Form Factor Pc	-	All	All
Operating System	Hp	Elitedesk 705 G5 Small Form Factor Pc Firmware	All	All	All
Hardware	Hp	Elitedesk 800 35w G2 Desktop Mini Pc	-	All	All
Operating System	Hp	Elitedesk 800 35w G2 Desktop Mini Pc Firmware	All	All	All
Hardware	Hp	Elitedesk 800 35w G3 Desktop Mini Pc	-	All	All
Operating System	Hp	Elitedesk 800 35w G3 Desktop Mini Pc Firmware	All	All	All
Hardware	Hp	Elitedesk 800 35w G4 Desktop Mini Pc	-	All	All
Operating System	Hp	Elitedesk 800 35w G4 Desktop Mini Pc Firmware	All	All	All
Hardware	Hp	Elitedesk 800 65w G2 Desktop Mini Pc	-	All	All
Operating System	Hp	Elitedesk 800 65w G2 Desktop Mini Pc Firmware	All	All	All
Hardware	Hp	Elitedesk 800 65w G3 Desktop Mini Pc	-	All	All
Operating System	Hp	Elitedesk 800 65w G3 Desktop Mini Pc Firmware	All	All	All
Hardware	Hp	Elitedesk 800 65w G4 Desktop Mini Pc	-	All	All
Operating System	Hp	Elitedesk 800 65w G4 Desktop Mini Pc Firmware	All	All	All
Hardware	Hp	Elitedesk 800 95w G4 Desktop Mini Pc	-	All	All
Operating System	Hp	Elitedesk 800 95w G4 Desktop Mini Pc Firmware	All	All	All
Hardware	Hp	Elitedesk 800 G3 Small Form Factor Pc	-	All	All
Operating System	Hp	Elitedesk 800 G3 Small Form Factor Pc Firmware	All	All	All
Hardware	Hp	Elitedesk 800 G3 Tower Pc	-	All	All
Operating System	Hp	Elitedesk 800 G3 Tower Pc Firmware	All	All	All
Hardware	Hp	Elitedesk 800 G4 Small Form Factor Pc	-	All	All
Operating System	Hp	Elitedesk 800 G4 Small Form Factor Pc Firmware	All	All	All

Operating System	Hp	Elitedesk 800 G4 Small Form Factor Pc Firmware	All	All	All
Hardware	Hp	Elitedesk 800 G4 Tower Pc	-	All	All
Operating System	Hp	Elitedesk 800 G4 Tower Pc Firmware	All	All	All
Hardware	Hp	Elitedesk 800 G4 Workstation Edition	-	All	All
Operating System	Hp	Elitedesk 800 G4 Workstation Edition Firmware	All	All	All
Hardware	Hp	Elitedesk 800 G5 Desktop Mini Pc	-	All	All
Operating System	Hp	Elitedesk 800 G5 Desktop Mini Pc Firmware	All	All	All
Hardware	Hp	Elitedesk 800 G5 Small Form Factor Pc	-	All	All
Operating System	Hp	Elitedesk 800 G5 Small Form Factor Pc Firmware	All	All	All
Hardware	Hp	Elitedesk 800 G5 Tower Pc	-	All	All
Operating System	Hp	Elitedesk 800 G5 Tower Pc Firmware	All	All	All
Hardware	Hp	Elitedesk 800 G6 Desktop Mini Pc	-	All	All
Operating System	Hp	Elitedesk 800 G6 Desktop Mini Pc Firmware	All	All	All
Hardware	Hp	Elitedesk 800 G6 Small Form Factor Pc	-	All	All
Operating System	Hp	Elitedesk 800 G6 Small Form Factor Pc Firmware	All	All	All
Hardware	Hp	Elitedesk 800 G6 Tower Pc	-	All	All
Operating System	Hp	Elitedesk 800 G6 Tower Pc Firmware	All	All	All
Hardware	Hp	Elitedesk 800 G8 Desktop Mini Pc	-	All	All
Operating System	Hp	Elitedesk 800 G8 Desktop Mini Pc Firmware	All	All	All
Hardware	Hp	Elitedesk 800 G8 Small Form Factor Pc	-	All	All
Operating System	Hp	Elitedesk 800 G8 Small Form Factor Pc Firmware	All	All	All
Hardware	Hp	Elitedesk 800 G8 Tower Pc	-	All	All
Operating System	Hp	Elitedesk 800 G8 Tower Pc Firmware	All	All	All
Hardware	Hp	Elitedesk 805 G6 Desktop Mini Pc	-	All	All
Operating System	Hp	Elitedesk 805 G6 Desktop Mini Pc Firmware	All	All	All
Hardware	Hp	Elitedesk 805 G6 Small Form Factor Pc	-	All	All
Operating System	Hp	Elitedesk 805 G6 Small Form Factor Pc Firmware	All	All	All
Hardware	Hp	Elitedesk 805 G8 Desktop Mini Pc	-	All	All
Operating System	Hp	Elitedesk 805 G8 Desktop Mini Pc Firmware	All	All	All
Hardware	Hp	Elitedesk 805 G8 Small Form Factor Pc	-	All	All
Operating System	Hp	Elitedesk 805 G8 Small Form Factor Pc Firmware	All	All	All
Hardware	Hp	Elitedesk 880 G3 Tower Pc	-	All	All
Operating System	Hp	Elitedesk 880 G3 Tower Pc Firmware	All	All	All
Hardware	Hp	Elitedesk 880 G4 Tower Pc	-	All	All
Operating System	Hp	Elitedesk 880 G4 Tower Pc Firmware	All	All	All
Hardware	Hp	Elitedesk 880 G5 Tower Pc	-	All	All

Operating System	Hp	Elitedesk 880 G5 Tower Pc Firmware	All	All	All
Hardware	Hp	Elitedesk 880 G6 Tower Pc	-	All	All
Operating System	Hp	Elitedesk 880 G6 Tower Pc Firmware	All	All	All
Hardware	Hp	Elitedesk 880 G8 Tower Pc	-	All	All
Operating System	Hp	Elitedesk 880 G8 Tower Pc Firmware	All	All	All
Hardware	Hp	Eliteone 1000 G1 23.8-in All-in-one Business Pc	-	All	All
Operating System	Hp	Eliteone 1000 G1 23.8-in All-in-one Business Pc Firmware	All	All	All
Hardware	Hp	Eliteone 1000 G1 23.8-in Touch All-in-one Business Pc	-	All	All
Operating System	Hp	Eliteone 1000 G1 23.8-in Touch All-in-one Business Pc Firmware	All	All	All
Hardware	Hp	Eliteone 1000 G1 27-in 4k Uhd All-in-one Business Pc	-	All	All
Operating System	Hp	Eliteone 1000 G1 27-in 4k Uhd All-in-one Business Pc Firmware	All	All	All
Hardware	Hp	Eliteone 1000 G1 34-in Curved All-in-one Business Pc	-	All	All
Operating System	Hp	Eliteone 1000 G1 34-in Curved All-in-one Business Pc Firmware	All	All	All
Hardware	Hp	Eliteone 1000 G2 23.8-in All-in-one Business Pc	-	All	All
Operating System	Hp	Eliteone 1000 G2 23.8-in All-in-one Business Pc Firmware	All	All	All
Hardware	Hp	Eliteone 1000 G2 23.8-in Touch All-in-one Business Pc	-	All	All
Operating System	Hp	Eliteone 1000 G2 23.8-in Touch All-in-one Business Pc Firmware	All	All	All
Hardware	Hp	Eliteone 1000 G2 27-in 4k Uhd All-in-one Business Pc	-	All	All
Operating System	Hp	Eliteone 1000 G2 27-in 4k Uhd All-in-one Business Pc Firmware	All	All	All
Hardware	Hp	Eliteone 1000 G2 34-in Curved All-in-one Business Pc	-	All	All
Operating System	Hp	Eliteone 1000 G2 34-in Curved All-in-one Business Pc Firmware	All	All	All
Hardware	Hp	Eliteone 800 G2 23-inch Non-touch All-in-one Pc	-	All	All
Operating System	Hp	Eliteone 800 G2 23-inch Non-touch All-in-one Pc Firmware	All	All	All
Hardware	Hp	Eliteone 800 G2 23-inch Touch All-in-one Pc	-	All	All
Operating System	Hp	Eliteone 800 G2 23-inch Touch All-in-one Pc Firmware	All	All	All
Hardware	Hp	Eliteone 800 G3 23.8-inch Non-touch All-in-one Pc	-	All	All
Operating System	Hp	Eliteone 800 G3 23.8-inch Non-touch All-in-one Pc Firmware	All	All	All
Hardware	Hp	Eliteone 800 G3 23.8-inch Non-touch Gpu All-in-one Pc	-	All	All
Operating System	Hp	Eliteone 800 G3 23.8-inch Non-touch Gpu All-in-one Pc Firmware	All	All	All
Hardware	Hp	Eliteone 800 G3 23.8-inch Touch All-in-one Pc	-	All	All
Operating System	Hp	Eliteone 800 G3 23.8-inch Touch All-in-one Pc Firmware	All	All	All
Hardware	Hp	Eliteone 800 G3 23.8-inch Touch Gpu All-in-one Pc	-	All	All
Operating System	Hp	Eliteone 800 G3 23.8-inch Touch Gpu All-in-one Pc Firmware	All	All	All
Hardware	Hp	Eliteone 800 G3 23.8 Non-touch Healthcare Edition All-in-one Pc	-	All	All
Operating System	Hp	Eliteone 800 G3 23.8 Non-touch Healthcare Edition All-in-one Pc Firmware	All	All	All

Hardware	Hp	Eliteone 800 G4 23.8-inch Non-touch All-in-one Pc	-	All	All
Operating System	Hp	Eliteone 800 G4 23.8-inch Non-touch All-in-one Pc Firmware	All	All	All
Hardware	Hp	Eliteone 800 G4 23.8-inch Non-touch Gpu All-in-one Pc	-	All	All
Operating System	Hp	Eliteone 800 G4 23.8-inch Non-touch Gpu All-in-one Pc Firmware	All	All	All
Hardware	Hp	Eliteone 800 G4 23.8-inch Touch All-in-one Pc	-	All	All
Operating System	Hp	Eliteone 800 G4 23.8-inch Touch All-in-one Pc Firmware	All	All	All
Hardware	Hp	Eliteone 800 G4 23.8-inch Touch Gpu All-in-one Pc	-	All	All
Operating System	Hp	Eliteone 800 G4 23.8-inch Touch Gpu All-in-one Pc Firmware	All	All	All
Hardware	Hp	Eliteone 800 G4 23.8-in Healthcare Edition All-in-one Business Pc	-	All	All
Operating System	Hp	Eliteone 800 G4 23.8-in Healthcare Edition All-in-one Business Pc Firmware	All	All	All
Hardware	Hp	Eliteone 800 G5 23.8-inch All-in-one	-	All	All
Operating System	Hp	Eliteone 800 G5 23.8-inch All-in-one Firmware	All	All	All
Hardware	Hp	Eliteone 800 G5 23.8-in Healthcare Edition All-in-one	-	All	All
Operating System	Hp	Eliteone 800 G5 23.8-in Healthcare Edition All-in-one Firmware	All	All	All
Hardware	Hp	Eliteone 800 G6 24 All-in-one Pc	-	All	All
Operating System	Hp	Eliteone 800 G6 24 All-in-one Pc Firmware	All	All	All
Hardware	Hp	Eliteone 800 G6 27 All-in-one Pc	-	All	All
Operating System	Hp	Eliteone 800 G6 27 All-in-one Pc Firmware	All	All	All
Hardware	Hp	Eliteone 800 G8 24 All-in-one Pc	-	All	All
Operating System	Hp	Eliteone 800 G8 24 All-in-one Pc Firmware	All	All	All
Hardware	Hp	Eliteone 800 G8 27 All-in-one Pc	-	All	All
Operating System	Hp	Eliteone 800 G8 27 All-in-one Pc Firmware	All	All	All
Hardware	Hp	Eliteone 870 27 Inch G9 All-in-one Desktop Pc	-	All	All
Operating System	Hp	Eliteone 870 27 Inch G9 All-in-one Desktop Pc Firmware	All	All	All
Hardware	Hp	Elite Dragonfly	-	All	All
Hardware	Hp	Elite Dragonfly 13.5 Inch G3 Notebook Pc	-	All	All
Operating System	Hp	Elite Dragonfly 13.5 Inch G3 Notebook Pc Firmware	All	All	All
Operating System	Hp	Elite Dragonfly Firmware	All	All	All
Hardware	Hp	Elite Dragonfly G2	-	All	All
Operating System	Hp	Elite Dragonfly G2 Firmware	All	All	All
Hardware	Hp	Elite Dragonfly Max	-	All	All
Operating System	Hp	Elite Dragonfly Max Firmware	All	All	All
Hardware	Hp	Elite Mini 600 G9 Desktop Pc	-	All	All
Operating System	Hp	Elite Mini 600 G9 Desktop Pc Firmware	All	All	All
Hardware	Hp	Elite Mini 800 G9 Desktop Pc	-	All	All
Operating System	Hp	Elite Mini 800 G9 Desktop Pc Firmware	All	All	All

Operating System	Hp	Elite Mini 600 G9 Desktop Pc Firmware	All	All	All
Hardware	Hp	Elite Sff 600 G9 Desktop Pc	-	All	All
Operating System	Hp	Elite Sff 600 G9 Desktop Pc Firmware	All	All	All
Hardware	Hp	Elite Sff 800 G9 Desktop Pc	-	All	All
Operating System	Hp	Elite Sff 800 G9 Desktop Pc Firmware	All	All	All
Hardware	Hp	Elite Slice	-	All	All
Operating System	Hp	Elite Slice Firmware	All	All	All
Hardware	Hp	Elite Slice For Meeting Rooms	-	All	All
Operating System	Hp	Elite Slice For Meeting Rooms Firmware	All	All	All
Hardware	Hp	Elite Slice G2 - Audio Ready With Zoom Rooms	-	All	All
Operating System	Hp	Elite Slice G2 - Audio Ready With Zoom Rooms Firmware	All	All	All
Hardware	Hp	Elite Slice G2 - Partner Ready With Microsoft Teams Rooms	-	All	All
Operating System	Hp	Elite Slice G2 - Partner Ready With Microsoft Teams Rooms Firmware	All	All	All
Hardware	Hp	Elite Slice G2 With Intel Unite	-	All	All
Operating System	Hp	Elite Slice G2 With Intel Unite Firmware	All	All	All
Hardware	Hp	Elite Slice G2 With Microsoft Teams Rooms	-	All	All
Operating System	Hp	Elite Slice G2 With Microsoft Teams Rooms Firmware	All	All	All
Hardware	Hp	Elite Slice G2 With Zoom Rooms	-	All	All
Operating System	Hp	Elite Slice G2 With Zoom Rooms Firmware	All	All	All
Hardware	Hp	Elite Tower 600 G9 Desktop Pc	-	All	All
Operating System	Hp	Elite Tower 600 G9 Desktop Pc Firmware	All	All	All
Hardware	Hp	Elite Tower 680 G9 Desktop Pc	-	All	All
Operating System	Hp	Elite Tower 680 G9 Desktop Pc Firmware	All	All	All
Hardware	Hp	Elite Tower 800 G9 Desktop Pc	-	All	All
Operating System	Hp	Elite Tower 800 G9 Desktop Pc Firmware	All	All	All
Hardware	Hp	Elite Tower 880 G9 Desktop Pc	-	All	All
Operating System	Hp	Elite Tower 880 G9 Desktop Pc Firmware	All	All	All
Hardware	Hp	Elite X2 1012 G1	-	All	All
Operating System	Hp	Elite X2 1012 G1 Firmware	All	All	All
Hardware	Hp	Elite X2 1012 G1 Tablet	-	All	All
Operating System	Hp	Elite X2 1012 G1 Tablet Firmware	All	All	All
Hardware	Hp	Elite X2 1012 G1 Tablet With Travel Keyboard	-	All	All
Operating System	Hp	Elite X2 1012 G1 Tablet With Travel Keyboard Firmware	All	All	All
Hardware	Hp	Elite X2 1012 G2	-	All	All
Operating System	Hp	Elite X2 1012 G2 Firmware	All	All	All
Hardware	Hp	Elite X2 1013 G3	-	All	All

Operating System	Hp	Elite X2 1013 G3 Firmware	All	All	All
Hardware	Hp	Elite X2 G4	-	All	All
Operating System	Hp	Elite X2 G4 Firmware	All	All	All
Hardware	Hp	Elite X2 G8 Tablet	-	All	All
Operating System	Hp	Elite X2 G8 Tablet Firmware	All	All	All
Hardware	Hp	Elite X360 1040 14 Inch G9 2-in-1 Notebook Pc	-	All	All
Operating System	Hp	Elite X360 1040 14 Inch G9 2-in-1 Notebook Pc Firmware	All	All	All
Hardware	Hp	Elite X360 830 13 Inch G9 2-in-1 Notebook Pc	-	All	All
Operating System	Hp	Elite X360 830 13 Inch G9 2-in-1 Notebook Pc Firmware	All	All	All
Hardware	Hp	Engage Go 10 Mobile System	-	All	All
Operating System	Hp	Engage Go 10 Mobile System Firmware	All	All	All
Hardware	Hp	Engage Go Mobile System	-	All	All
Operating System	Hp	Engage Go Mobile System Firmware	All	All	All
Hardware	Hp	Engage One All-in-one System	-	All	All
Operating System	Hp	Engage One All-in-one System Firmware	All	All	All
Hardware	Hp	Mini Conferencing Pc With Zoom Rooms	-	All	All
Operating System	Hp	Mini Conferencing Pc With Zoom Rooms Firmware	All	All	All
Hardware	Hp	Mp9 G4 Retail System	-	All	All
Operating System	Hp	Mp9 G4 Retail System Firmware	All	All	All
Hardware	Hp	Mt21 Mobile Thin Client	-	All	All
Operating System	Hp	Mt21 Mobile Thin Client Firmware	All	All	All
Hardware	Hp	Mt22 Mobile Thin Client	-	All	All
Operating System	Hp	Mt22 Mobile Thin Client Firmware	All	All	All
Hardware	Hp	Mt31 Mobile Thin Client	-	All	All
Operating System	Hp	Mt31 Mobile Thin Client Firmware	All	All	All
Hardware	Hp	Mt32 Mobile Thin Client	-	All	All
Operating System	Hp	Mt32 Mobile Thin Client Firmware	All	All	All
Hardware	Hp	Mt42 Mobile Thin Client	-	All	All
Operating System	Hp	Mt42 Mobile Thin Client Firmware	All	All	All
Hardware	Hp	Mt43 Mobile Thin Client	-	All	All
Operating System	Hp	Mt43 Mobile Thin Client Firmware	All	All	All
Hardware	Hp	Mt44 Mobile Thin Client	-	All	All
Operating System	Hp	Mt44 Mobile Thin Client Firmware	All	All	All
Hardware	Hp	Mt45 Mobile Thin Client	-	All	All
Operating System	Hp	Mt45 Mobile Thin Client Firmware	All	All	All

Hardware	Hp	Mt46 Mobile Thin Client	-	All	All
Operating System	Hp	Mt46 Mobile Thin Client Firmware	All	All	All
Hardware	Hp	Probook 11 Ee G2	-	All	All
Operating System	Hp	Probook 11 Ee G2 Firmware	All	All	All
Hardware	Hp	Probook 430 G3	-	All	All
Operating System	Hp	Probook 430 G3 Firmware	All	All	All
Hardware	Hp	Probook 430 G5	-	All	All
Operating System	Hp	Probook 430 G5 Firmware	All	All	All
Hardware	Hp	Probook 430 G6	-	All	All
Operating System	Hp	Probook 430 G6 Firmware	All	All	All
Hardware	Hp	Probook 430 G7	-	All	All
Operating System	Hp	Probook 430 G7 Firmware	All	All	All
Hardware	Hp	Probook 430 G8	-	All	All
Operating System	Hp	Probook 430 G8 Firmware	All	All	All
Hardware	Hp	Probook 440 14 Inch G9 Notebook Pc	-	All	All
Operating System	Hp	Probook 440 14 Inch G9 Notebook Pc Firmware	All	All	All
Hardware	Hp	Probook 440 G3	-	All	All
Operating System	Hp	Probook 440 G3 Firmware	All	All	All
Hardware	Hp	Probook 440 G5	-	All	All
Operating System	Hp	Probook 440 G5 Firmware	All	All	All
Hardware	Hp	Probook 440 G6	-	All	All
Operating System	Hp	Probook 440 G6 Firmware	All	All	All
Hardware	Hp	Probook 440 G7	-	All	All
Operating System	Hp	Probook 440 G7 Firmware	All	All	All
Hardware	Hp	Probook 440 G8	-	All	All
Operating System	Hp	Probook 440 G8 Firmware	All	All	All
Hardware	Hp	Probook 445r G6	-	All	All
Operating System	Hp	Probook 445r G6 Firmware	All	All	All
Hardware	Hp	Probook 445 14 Inch G9 Notebook Pc	-	All	All
Operating System	Hp	Probook 445 14 Inch G9 Notebook Pc Firmware	All	All	All
Hardware	Hp	Probook 445 G6	-	All	All
Operating System	Hp	Probook 445 G6 Firmware	All	All	All
Hardware	Hp	Probook 445 G7	-	All	All
Operating System	Hp	Probook 445 G7 Firmware	All	All	All
Hardware	Hp	Probook 445 G8	-	All	All
Operating System	Hp	Probook 445 G8 Firmware	All	All	All

Operating System	Hp	Probook 446 G3 Firmware	-	All	All
Hardware	Hp	Probook 446 G3	-	All	All
Operating System	Hp	Probook 446 G3 Firmware	All	All	All
Hardware	Hp	Probook 450 15.6 Inch G9 Notebook Pc	-	All	All
Operating System	Hp	Probook 450 15.6 Inch G9 Notebook Pc Firmware	All	All	All
Hardware	Hp	Probook 450 G3	-	All	All
Operating System	Hp	Probook 450 G3 Firmware	All	All	All
Hardware	Hp	Probook 450 G5	-	All	All
Operating System	Hp	Probook 450 G5 Firmware	All	All	All
Hardware	Hp	Probook 450 G6	-	All	All
Operating System	Hp	Probook 450 G6 Firmware	All	All	All
Hardware	Hp	Probook 450 G7	-	All	All
Operating System	Hp	Probook 450 G7 Firmware	All	All	All
Hardware	Hp	Probook 450 G8	-	All	All
Operating System	Hp	Probook 450 G8 Firmware	All	All	All
Hardware	Hp	Probook 455r G6	-	All	All
Operating System	Hp	Probook 455r G6 Firmware	All	All	All
Hardware	Hp	Probook 455 15.6 Inch G9 Notebook Pc	-	All	All
Operating System	Hp	Probook 455 15.6 Inch G9 Notebook Pc Firmware	All	All	All
Hardware	Hp	Probook 455 G3	-	All	All
Operating System	Hp	Probook 455 G3 Firmware	All	All	All
Hardware	Hp	Probook 455 G4	-	All	All
Operating System	Hp	Probook 455 G4 Firmware	All	All	All
Hardware	Hp	Probook 455 G5	-	All	All
Operating System	Hp	Probook 455 G5 Firmware	All	All	All
Hardware	Hp	Probook 455 G6	-	All	All
Operating System	Hp	Probook 455 G6 Firmware	All	All	All
Hardware	Hp	Probook 455 G7	-	All	All
Operating System	Hp	Probook 455 G7 Firmware	All	All	All
Hardware	Hp	Probook 455 G8	-	All	All
Operating System	Hp	Probook 455 G8 Firmware	All	All	All
Hardware	Hp	Probook 470 G3	-	All	All
Operating System	Hp	Probook 470 G3 Firmware	All	All	All
Hardware	Hp	Probook 470 G5	-	All	All
Operating System	Hp	Probook 470 G5 Firmware	All	All	All
Hardware	Hp	Probook 630 G8	-	All	All

Operating System	Hp	Probook 630 G8 Firmware	All	All	All
Hardware	Hp	Probook 635 Aero G7	-	All	All
Operating System	Hp	Probook 635 Aero G7 Firmware	All	All	All
Hardware	Hp	Probook 635 Aero G8	-	All	All
Operating System	Hp	Probook 635 Aero G8 Firmware	All	All	All
Hardware	Hp	Probook 640 G2	-	All	All
Operating System	Hp	Probook 640 G2 Firmware	All	All	All
Hardware	Hp	Probook 640 G3	-	All	All
Operating System	Hp	Probook 640 G3 Firmware	All	All	All
Hardware	Hp	Probook 640 G4	-	All	All
Operating System	Hp	Probook 640 G4 Firmware	All	All	All
Hardware	Hp	Probook 640 G5	-	All	All
Operating System	Hp	Probook 640 G5 Firmware	All	All	All
Hardware	Hp	Probook 640 G7	-	All	All
Operating System	Hp	Probook 640 G7 Firmware	All	All	All
Hardware	Hp	Probook 640 G8	-	All	All
Operating System	Hp	Probook 640 G8 Firmware	All	All	All
Hardware	Hp	Probook 645 G2	-	All	All
Operating System	Hp	Probook 645 G2 Firmware	All	All	All
Hardware	Hp	Probook 645 G3	-	All	All
Operating System	Hp	Probook 645 G3 Firmware	All	All	All
Hardware	Hp	Probook 645 G4	-	All	All
Operating System	Hp	Probook 645 G4 Firmware	All	All	All
Hardware	Hp	Probook 650 G2	-	All	All
Operating System	Hp	Probook 650 G2 Firmware	All	All	All
Hardware	Hp	Probook 650 G3	-	All	All
Operating System	Hp	Probook 650 G3 Firmware	All	All	All
Hardware	Hp	Probook 650 G4	-	All	All
Operating System	Hp	Probook 650 G4 Firmware	All	All	All
Hardware	Hp	Probook 650 G5	-	All	All
Operating System	Hp	Probook 650 G5 Firmware	All	All	All
Hardware	Hp	Probook 650 G7	-	All	All
Operating System	Hp	Probook 650 G7 Firmware	All	All	All
Hardware	Hp	Probook 650 G8	-	All	All
Operating System	Hp	Probook 650 G8 Firmware	All	All	All

Hardware	Hp	Probook 655 G2	-	All	All
Operating System	Hp	Probook 655 G2 Firmware	All	All	All
Hardware	Hp	Probook 655 G3	-	All	All
Operating System	Hp	Probook 655 G3 Firmware	All	All	All
Hardware	Hp	Probook Fortis 14 Inch G10 Notebook Pc	-	All	All
Operating System	Hp	Probook Fortis 14 Inch G10 Notebook Pc Firmware	All	All	All
Hardware	Hp	Probook Fortis 14 Inch G9 Notebook Pc	-	All	All
Operating System	Hp	Probook Fortis 14 Inch G9 Notebook Pc Firmware	All	All	All
Hardware	Hp	Probook X360 11 G2 Ee	-	All	All
Operating System	Hp	Probook X360 11 G2 Ee Firmware	All	All	All
Hardware	Hp	Probook X360 11 G3 Ee	-	All	All
Operating System	Hp	Probook X360 11 G3 Ee Firmware	All	All	All
Hardware	Hp	Probook X360 11 G4 Ee	-	All	All
Operating System	Hp	Probook X360 11 G4 Ee Firmware	All	All	All
Hardware	Hp	Probook X360 11 G5 Ee	-	All	All
Operating System	Hp	Probook X360 11 G5 Ee Firmware	All	All	All
Hardware	Hp	Probook X360 11 G6 Ee	-	All	All
Operating System	Hp	Probook X360 11 G6 Ee Firmware	All	All	All
Hardware	Hp	Probook X360 11 G7 Ee	-	All	All
Operating System	Hp	Probook X360 11 G7 Ee Firmware	All	All	All
Hardware	Hp	Probook X360 435 G7	-	All	All
Operating System	Hp	Probook X360 435 G7 Firmware	All	All	All
Hardware	Hp	Probook X360 435 G8 Notebook Pc	-	All	All
Operating System	Hp	Probook X360 435 G8 Notebook Pc Firmware	All	All	All
Hardware	Hp	Probook X360 440 G1	-	All	All
Operating System	Hp	Probook X360 440 G1 Firmware	All	All	All
Hardware	Hp	Prodesk 400 G2 Desktop Mini Pc	-	All	All
Operating System	Hp	Prodesk 400 G2 Desktop Mini Pc Firmware	All	All	All
Hardware	Hp	Prodesk 400 G3 Desktop Mini Pc	-	All	All
Operating System	Hp	Prodesk 400 G3 Desktop Mini Pc Firmware	All	All	All
Hardware	Hp	Prodesk 400 G4 Desktop Mini Pc	-	All	All
Operating System	Hp	Prodesk 400 G4 Desktop Mini Pc Firmware	All	All	All
Hardware	Hp	Prodesk 400 G4 Microtower Pc	-	All	All
Operating System	Hp	Prodesk 400 G4 Microtower Pc Firmware	All	All	All
Hardware	Hp	Prodesk 400 G4 Small Form Factor Pc	-	All	All
Operating System	Hp	Prodesk 400 G4 Small Form Factor Pc Firmware	All	All	All

Operating System	Hp	Prodesk 400 G5 Small Form Factor Pc Firmware	-	All	All
Hardware	Hp	Prodesk 400 G5 Desktop Mini Pc	-	All	All
Operating System	Hp	Prodesk 400 G5 Desktop Mini Pc Firmware	All	All	All
Hardware	Hp	Prodesk 400 G5 Microtower Pc	-	All	All
Operating System	Hp	Prodesk 400 G5 Microtower Pc Firmware	All	All	All
Hardware	Hp	Prodesk 400 G5 Small Form Factor Pc	-	All	All
Operating System	Hp	Prodesk 400 G5 Small Form Factor Pc Firmware	All	All	All
Hardware	Hp	Prodesk 400 G6 Desktop Mini Pc	-	All	All
Operating System	Hp	Prodesk 400 G6 Desktop Mini Pc Firmware	All	All	All
Hardware	Hp	Prodesk 400 G6 Microtower Pc	-	All	All
Operating System	Hp	Prodesk 400 G6 Microtower Pc Firmware	All	All	All
Hardware	Hp	Prodesk 400 G6 Small Form Factor Pc	-	All	All
Operating System	Hp	Prodesk 400 G6 Small Form Factor Pc Firmware	All	All	All
Hardware	Hp	Prodesk 400 G7 Microtower Pc	-	All	All
Operating System	Hp	Prodesk 400 G7 Microtower Pc Firmware	All	All	All
Hardware	Hp	Prodesk 400 G7 Small Form Factor Pc	-	All	All
Operating System	Hp	Prodesk 400 G7 Small Form Factor Pc Firmware	All	All	All
Hardware	Hp	Prodesk 405 G4 Desktop Mini Pc	-	All	All
Operating System	Hp	Prodesk 405 G4 Desktop Mini Pc Firmware	All	All	All
Hardware	Hp	Prodesk 405 G4 Small Form Factor Pc	-	All	All
Operating System	Hp	Prodesk 405 G4 Small Form Factor Pc Firmware	All	All	All
Hardware	Hp	Prodesk 405 G6 Desktop Mini Pc	-	All	All
Operating System	Hp	Prodesk 405 G6 Desktop Mini Pc Firmware	All	All	All
Hardware	Hp	Prodesk 405 G6 Small Form Factor Pc	-	All	All
Operating System	Hp	Prodesk 405 G6 Small Form Factor Pc Firmware	All	All	All
Hardware	Hp	Prodesk 405 G8 Desktop Mini Pc	-	All	All
Operating System	Hp	Prodesk 405 G8 Desktop Mini Pc Firmware	All	All	All
Hardware	Hp	Prodesk 405 G8 Small Form Factor Pc	-	All	All
Operating System	Hp	Prodesk 405 G8 Small Form Factor Pc Firmware	All	All	All
Hardware	Hp	Prodesk 480 G4 Microtower Pc	-	All	All
Operating System	Hp	Prodesk 480 G4 Microtower Pc Firmware	All	All	All
Hardware	Hp	Prodesk 480 G5 Microtower Pc	-	All	All
Operating System	Hp	Prodesk 480 G5 Microtower Pc Firmware	All	All	All
Hardware	Hp	Prodesk 480 G6 Microtower Pc	-	All	All
Operating System	Hp	Prodesk 480 G6 Microtower Pc Firmware	All	All	All
Hardware	Hp	Prodesk 480 G7 Pci Microtower Pc	-	All	All

Operating System	Hp	Prodesk 480 G7 Pci Microtower Pc Firmware	All	All	All
Hardware	Hp	Prodesk 600 G2 Desktop Mini Pc	-	All	All
Operating System	Hp	Prodesk 600 G2 Desktop Mini Pc Firmware	All	All	All
Hardware	Hp	Prodesk 600 G3 Desktop Mini Pc	-	All	All
Operating System	Hp	Prodesk 600 G3 Desktop Mini Pc Firmware	All	All	All
Hardware	Hp	Prodesk 600 G3 Microtower Pc	-	All	All
Operating System	Hp	Prodesk 600 G3 Microtower Pc Firmware	All	All	All
Hardware	Hp	Prodesk 600 G3 Small Form Factor Pc	-	All	All
Operating System	Hp	Prodesk 600 G3 Small Form Factor Pc Firmware	All	All	All
Hardware	Hp	Prodesk 600 G4 Desktop Mini Pc	-	All	All
Operating System	Hp	Prodesk 600 G4 Desktop Mini Pc Firmware	All	All	All
Hardware	Hp	Prodesk 600 G4 Microtower Pc	-	All	All
Operating System	Hp	Prodesk 600 G4 Microtower Pc Firmware	All	All	All
Hardware	Hp	Prodesk 600 G4 Microtower Pc With Pci Slot	-	All	All
Operating System	Hp	Prodesk 600 G4 Microtower Pc With Pci Slot Firmware	All	All	All
Hardware	Hp	Prodesk 600 G4 Small Form Factor Pc	-	All	All
Operating System	Hp	Prodesk 600 G4 Small Form Factor Pc Firmware	All	All	All
Hardware	Hp	Prodesk 600 G5 Desktop Mini Pc	-	All	All
Operating System	Hp	Prodesk 600 G5 Desktop Mini Pc Firmware	All	All	All
Hardware	Hp	Prodesk 600 G5 Microtower Pc	-	All	All
Operating System	Hp	Prodesk 600 G5 Microtower Pc Firmware	All	All	All
Hardware	Hp	Prodesk 600 G5 Microtower Pc With Pci Slot	-	All	All
Operating System	Hp	Prodesk 600 G5 Microtower Pc With Pci Slot Firmware	All	All	All
Hardware	Hp	Prodesk 600 G5 Small Form Factor Pc	-	All	All
Operating System	Hp	Prodesk 600 G5 Small Form Factor Pc Firmware	All	All	All
Hardware	Hp	Prodesk 600 G6 Desktop Mini Pc	-	All	All
Operating System	Hp	Prodesk 600 G6 Desktop Mini Pc Firmware	All	All	All
Hardware	Hp	Prodesk 600 G6 Microtower Pc	-	All	All
Operating System	Hp	Prodesk 600 G6 Microtower Pc Firmware	All	All	All
Hardware	Hp	Prodesk 600 G6 Pci Microtower Pc	-	All	All
Operating System	Hp	Prodesk 600 G6 Pci Microtower Pc Firmware	All	All	All
Hardware	Hp	Prodesk 600 G6 Small Form Factor Pc	-	All	All
Operating System	Hp	Prodesk 600 G6 Small Form Factor Pc Firmware	All	All	All
Hardware	Hp	Prodesk 680 G3 Microtower Pc	-	All	All
Operating System	Hp	Prodesk 680 G3 Microtower Pc Firmware	All	All	All

Hardware	Hp	Prodesk 680 G4 Microtower Pc	-	All	All
Operating System	Hp	Prodesk 680 G4 Microtower Pc Firmware	All	All	All
Hardware	Hp	Prodesk 680 G4 Microtower Pc With Pci Slot	-	All	All
Operating System	Hp	Prodesk 680 G4 Microtower Pc With Pci Slot Firmware	All	All	All
Hardware	Hp	Prodesk 680 G6 Pci Microtower Pc	-	All	All
Operating System	Hp	Prodesk 680 G6 Pci Microtower Pc Firmware	All	All	All
Hardware	Hp	Proone 400 G2 20-inch Non-touch All-in-one Pc	-	All	All
Operating System	Hp	Proone 400 G2 20-inch Non-touch All-in-one Pc Firmware	All	All	All
Hardware	Hp	Proone 400 G2 20-inch Touch All-in-one Pc	-	All	All
Operating System	Hp	Proone 400 G2 20-inch Touch All-in-one Pc Firmware	All	All	All
Hardware	Hp	Proone 400 G3 20-inch Non-touch All-in-one Pc	-	All	All
Operating System	Hp	Proone 400 G3 20-inch Non-touch All-in-one Pc Firmware	All	All	All
Hardware	Hp	Proone 400 G3 20-inch Touch All-in-one Pc	-	All	All
Operating System	Hp	Proone 400 G3 20-inch Touch All-in-one Pc Firmware	All	All	All
Hardware	Hp	Proone 400 G4 20-inch Non-touch All-in-one Business Pc	-	All	All
Operating System	Hp	Proone 400 G4 20-inch Non-touch All-in-one Business Pc Firmware	All	All	All
Hardware	Hp	Proone 400 G4 23.8-inch Non-touch All-in-one Business Pc	-	All	All
Operating System	Hp	Proone 400 G4 23.8-inch Non-touch All-in-one Business Pc Firmware	All	All	All
Hardware	Hp	Proone 400 G5 20-inch All-in-one Business Pc	-	All	All
Operating System	Hp	Proone 400 G5 20-inch All-in-one Business Pc Firmware	All	All	All
Hardware	Hp	Proone 400 G5 23.8-inch All-in-one Business Pc	-	All	All
Operating System	Hp	Proone 400 G5 23.8-inch All-in-one Business Pc Firmware	All	All	All
Hardware	Hp	Proone 400 G6 20 All-in-one Pc	-	All	All
Operating System	Hp	Proone 400 G6 20 All-in-one Pc Firmware	All	All	All
Hardware	Hp	Proone 400 G6 24 All-in-one Pc	-	All	All
Operating System	Hp	Proone 400 G6 24 All-in-one Pc Firmware	All	All	All
Hardware	Hp	Proone 440 23.8 Inch G9 All-in-one Desktop Pc	-	All	All
Operating System	Hp	Proone 440 23.8 Inch G9 All-in-one Desktop Pc Firmware	All	All	All
Hardware	Hp	Proone 440 G4 23.8-inch Non-touch All-in-one Business Pc	-	All	All
Operating System	Hp	Proone 440 G4 23.8-inch Non-touch All-in-one Business Pc Firmware	All	All	All
Hardware	Hp	Proone 440 G5 23.8-in All-in-one Business Pc	-	All	All
Operating System	Hp	Proone 440 G5 23.8-in All-in-one Business Pc Firmware	All	All	All
Hardware	Hp	Proone 440 G6 24 All-in-one Pc	-	All	All
Operating System	Hp	Proone 440 G6 24 All-in-one Pc Firmware	All	All	All
Hardware	Hp	Proone 480 G3 20-inch Non-touch All-in One Pc	-	All	All
Operating System	Hp	Proone 480 G3 20-inch Non-touch All-in One Pc Firmware	All	All	All

Hardware	Hp	Proone 600 G2 21.5-inch Non-touch All-in-one Pc	-	All	All
Operating System	Hp	Proone 600 G2 21.5-inch Non-touch All-in-one Pc Firmware	All	All	All
Hardware	Hp	Proone 600 G2 21.5-inch Touch All-in-one Pc	-	All	All
Operating System	Hp	Proone 600 G2 21.5-inch Touch All-in-one Pc Firmware	All	All	All
Hardware	Hp	Proone 600 G3 21.5-inch Non-touch All-in-one Pc	-	All	All
Operating System	Hp	Proone 600 G3 21.5-inch Non-touch All-in-one Pc Firmware	All	All	All
Hardware	Hp	Proone 600 G4 21.5-inch Touch All-in-one Business Pc	-	All	All
Operating System	Hp	Proone 600 G4 21.5-inch Touch All-in-one Business Pc Firmware	All	All	All
Hardware	Hp	Proone 600 G5 21.5-in All-in-one Business Pc	-	All	All
Operating System	Hp	Proone 600 G5 21.5-in All-in-one Business Pc Firmware	All	All	All
Hardware	Hp	Proone 600 G6 22 All-in-one Pc	-	All	All
Operating System	Hp	Proone 600 G6 22 All-in-one Pc Firmware	All	All	All
Hardware	Hp	Pro Mini 400 G9 Desktop Pc	-	All	All
Operating System	Hp	Pro Mini 400 G9 Desktop Pc Firmware	All	All	All
Hardware	Hp	Pro Mt440 G3 Mobile Thin Client	-	All	All
Operating System	Hp	Pro Mt440 G3 Mobile Thin Client Firmware	All	All	All
Hardware	Hp	Pro Sff 400 G9 Desktop Pc	-	All	All
Operating System	Hp	Pro Sff 400 G9 Desktop Pc Firmware	All	All	All
Hardware	Hp	Pro Tower 400 G9 Desktop Pc	-	All	All
Operating System	Hp	Pro Tower 400 G9 Desktop Pc Firmware	All	All	All
Hardware	Hp	Pro Tower 480 G9 Desktop Pc	-	All	All
Operating System	Hp	Pro Tower 480 G9 Desktop Pc Firmware	All	All	All
Hardware	Hp	Pro X2 612 G2	-	All	All
Operating System	Hp	Pro X2 612 G2 Firmware	All	All	All
Hardware	Hp	Pro X360 Fortis 11 Inch G10 Notebook Pc	-	All	All
Operating System	Hp	Pro X360 Fortis 11 Inch G10 Notebook Pc Firmware	All	All	All
Hardware	Hp	Pro X360 Fortis 11 Inch G9 Notebook Pc	-	All	All
Operating System	Hp	Pro X360 Fortis 11 Inch G9 Notebook Pc Firmware	All	All	All
Hardware	Hp	Rp9 G1 Retail System	-	All	All
Operating System	Hp	Rp9 G1 Retail System Firmware	All	All	All
Hardware	Hp	Z1 All-in-one G3 Workstation	-	All	All
Operating System	Hp	Z1 All-in-one G3 Workstation Firmware	All	All	All
Hardware	Hp	Z1 Entry Tower G5	-	All	All
Operating System	Hp	Z1 Entry Tower G5 Firmware	All	All	All
Hardware	Hp	Z1 Entry Tower G6	-	All	All

Operating System	Hp	Z1 Entry Tower G6 Firmware	All	All	All
Hardware	Hp	Z1 G8 Tower Desktop Pc	-	All	All
Operating System	Hp	Z1 G8 Tower Desktop Pc Firmware	All	All	All
Hardware	Hp	Z1 G9 Tower Desktop Pc	-	All	All
Operating System	Hp	Z1 G9 Tower Desktop Pc Firmware	All	All	All
Hardware	Hp	Z238 Microtower Workstation	-	All	All
Operating System	Hp	Z238 Microtower Workstation Firmware	All	All	All
Hardware	Hp	Z240 Small Form Factor Workstation	-	All	All
Operating System	Hp	Z240 Small Form Factor Workstation Firmware	All	All	All
Hardware	Hp	Z240 Tower Workstation	-	All	All
Operating System	Hp	Z240 Tower Workstation Firmware	All	All	All
Hardware	Hp	Z2 Mini G3 Workstation	-	All	All
Operating System	Hp	Z2 Mini G3 Workstation Firmware	All	All	All
Hardware	Hp	Z2 Mini G4 Workstation	-	All	All
Operating System	Hp	Z2 Mini G4 Workstation Firmware	All	All	All
Hardware	Hp	Z2 Mini G5 Workstation	-	All	All
Operating System	Hp	Z2 Mini G5 Workstation Firmware	All	All	All
Hardware	Hp	Z2 Mini G9 Workstation	-	All	All
Operating System	Hp	Z2 Mini G9 Workstation Firmware	All	All	All
Hardware	Hp	Z2 Small Form Factor G4 Workstation	-	All	All
Operating System	Hp	Z2 Small Form Factor G4 Workstation Firmware	All	All	All
Hardware	Hp	Z2 Small Form Factor G5 Workstation	-	All	All
Operating System	Hp	Z2 Small Form Factor G5 Workstation Firmware	All	All	All
Hardware	Hp	Z2 Small Form Factor G8 Workstation	-	All	All
Operating System	Hp	Z2 Small Form Factor G8 Workstation Firmware	All	All	All
Hardware	Hp	Z2 Small Form Factor G9 Workstation	-	All	All
Operating System	Hp	Z2 Small Form Factor G9 Workstation Firmware	All	All	All
Hardware	Hp	Z2 Tower G4 Workstation	-	All	All
Operating System	Hp	Z2 Tower G4 Workstation Firmware	All	All	All
Hardware	Hp	Z2 Tower G5 Workstation	-	All	All
Operating System	Hp	Z2 Tower G5 Workstation Firmware	All	All	All
Hardware	Hp	Z2 Tower G8 Workstation	-	All	All
Operating System	Hp	Z2 Tower G8 Workstation Firmware	All	All	All
Hardware	Hp	Z2 Tower G9 Workstation	-	All	All
Operating System	Hp	Z2 Tower G9 Workstation Firmware	All	All	All

Hardware	Hp	Z440 Workstation	-	All	All
Operating System	Hp	Z440 Workstation Firmware	All	All	All
Hardware	Hp	Z4 G4 Workstation Core-x	-	All	All
Operating System	Hp	Z4 G4 Workstation Core-x Firmware	All	All	All
Hardware	Hp	Z4 G4 Workstation Xeon W	-	All	All
Operating System	Hp	Z4 G4 Workstation Xeon W Firmware	All	All	All
Hardware	Hp	Z640 Workstation	-	All	All
Operating System	Hp	Z640 Workstation Firmware	All	All	All
Hardware	Hp	Z840 Workstation	-	All	All
Operating System	Hp	Z840 Workstation Firmware	All	All	All
Hardware	Hp	Z8 G4 Workstation	-	All	All
Operating System	Hp	Z8 G4 Workstation Firmware	All	All	All
Hardware	Hp	Zbook 14u G4	-	All	All
Operating System	Hp	Zbook 14u G4 Firmware	All	All	All
Hardware	Hp	Zbook 14u G5	-	All	All
Operating System	Hp	Zbook 14u G5 Firmware	All	All	All
Hardware	Hp	Zbook 14u G6	-	All	All
Operating System	Hp	Zbook 14u G6 Firmware	All	All	All
Hardware	Hp	Zbook 15u G3	-	All	All
Operating System	Hp	Zbook 15u G3 Firmware	All	All	All
Hardware	Hp	Zbook 15u G4	-	All	All
Operating System	Hp	Zbook 15u G4 Firmware	All	All	All
Hardware	Hp	Zbook 15u G5	-	All	All
Operating System	Hp	Zbook 15u G5 Firmware	All	All	All
Hardware	Hp	Zbook 15u G6	-	All	All
Operating System	Hp	Zbook 15u G6 Firmware	All	All	All
Hardware	Hp	Zbook 15 G3	-	All	All
Operating System	Hp	Zbook 15 G3 Firmware	All	All	All
Hardware	Hp	Zbook 15 G4	-	All	All
Operating System	Hp	Zbook 15 G4 Firmware	All	All	All
Hardware	Hp	Zbook 15 G5	-	All	All
Operating System	Hp	Zbook 15 G5 Firmware	All	All	All
Hardware	Hp	Zbook 15 G6	-	All	All
Operating System	Hp	Zbook 15 G6 Firmware	All	All	All
Hardware	Hp	Zbook 17 G3	-	All	All
Operating System	Hp	Zbook 17 G3 Firmware	All	All	All

Hardware	Hp	Zbook 17 G4	-	All	All
Operating System	Hp	Zbook 17 G4 Firmware	All	All	All
Hardware	Hp	Zbook 17 G5	-	All	All
Operating System	Hp	Zbook 17 G5 Firmware	All	All	All
Hardware	Hp	Zbook 17 G6	-	All	All
Operating System	Hp	Zbook 17 G6 Firmware	All	All	All
Hardware	Hp	Zbook Create G7	-	All	All
Operating System	Hp	Zbook Create G7 Firmware	All	All	All
Hardware	Hp	Zbook Firefly 14 G7	-	All	All
Operating System	Hp	Zbook Firefly 14 G7 Firmware	All	All	All
Hardware	Hp	Zbook Firefly 14 Inch G8 Mobile Workstation Pc	-	All	All
Operating System	Hp	Zbook Firefly 14 Inch G8 Mobile Workstation Pc Firmware	All	All	All
Hardware	Hp	Zbook Firefly 14 Inch G9 Mobile Workstation Pc	-	All	All
Operating System	Hp	Zbook Firefly 14 Inch G9 Mobile Workstation Pc Firmware	All	All	All
Hardware	Hp	Zbook Firefly 15.6 Inch G8 Mobile Workstation Pc	-	All	All
Operating System	Hp	Zbook Firefly 15.6 Inch G8 Mobile Workstation Pc Firmware	All	All	All
Hardware	Hp	Zbook Firefly 15 G7	-	All	All
Operating System	Hp	Zbook Firefly 15 G7 Firmware	All	All	All
Hardware	Hp	Zbook Firefly 16 Inch G9 Mobile Workstation Pc	-	All	All
Operating System	Hp	Zbook Firefly 16 Inch G9 Mobile Workstation Pc Firmware	All	All	All
Hardware	Hp	Zbook Fury 15.6 Inch G8 Mobile Workstation Pc	-	All	All
Operating System	Hp	Zbook Fury 15.6 Inch G8 Mobile Workstation Pc Firmware	All	All	All
Hardware	Hp	Zbook Fury 15 G7	-	All	All
Operating System	Hp	Zbook Fury 15 G7 Firmware	All	All	All
Hardware	Hp	Zbook Fury 16 G9 Mobile Workstation Pc	-	All	All
Operating System	Hp	Zbook Fury 16 G9 Mobile Workstation Pc Firmware	All	All	All
Hardware	Hp	Zbook Fury 17.3 Inch G8 Mobile Workstation Pc	-	All	All
Operating System	Hp	Zbook Fury 17.3 Inch G8 Mobile Workstation Pc Firmware	All	All	All
Hardware	Hp	Zbook Fury 17 G7	-	All	All
Operating System	Hp	Zbook Fury 17 G7 Firmware	All	All	All
Hardware	Hp	Zbook Power 15.6 Inch G8 Mobile Workstation Pc	-	All	All
Operating System	Hp	Zbook Power 15.6 Inch G8 Mobile Workstation Pc Firmware	All	All	All
Hardware	Hp	Zbook Power 15.6 Inch G9 Mobile Workstation Pc	-	All	All
Operating System	Hp	Zbook Power 15.6 Inch G9 Mobile Workstation Pc Firmware	All	All	All
Hardware	Hp	Zbook Power G7	-	All	All

Operating System	Hp	Zbook Power G7 Firmware	All	All	All
Hardware	Hp	Zbook Studio 15.6 Inch G8 Mobile Workstation Pc	-	All	All
Operating System	Hp	Zbook Studio 15.6 Inch G8 Mobile Workstation Pc Firmware	All	All	All
Hardware	Hp	Zbook Studio 16 Inch G9 Mobile Workstation Pc	-	All	All
Operating System	Hp	Zbook Studio 16 Inch G9 Mobile Workstation Pc Firmware	All	All	All
Hardware	Hp	Zbook Studio G3	-	All	All
Operating System	Hp	Zbook Studio G3 Firmware	All	All	All
Hardware	Hp	Zbook Studio G4	-	All	All
Operating System	Hp	Zbook Studio G4 Firmware	All	All	All
Hardware	Hp	Zbook Studio G5	-	All	All
Operating System	Hp	Zbook Studio G5 Firmware	All	All	All
Hardware	Hp	Zbook Studio G7	-	All	All
Operating System	Hp	Zbook Studio G7 Firmware	All	All	All
Hardware	Hp	Zbook Studio X360 G5	-	All	All
Operating System	Hp	Zbook Studio X360 G5 Firmware	All	All	All
Hardware	Hp	Zbook X2 G4	-	All	All
Operating System	Hp	Zbook X2 G4 Firmware	All	All	All
Hardware	Hp	Zcentral 4r Workstation	-	All	All
Operating System	Hp	Zcentral 4r Workstation Firmware	All	All	All
Hardware	Hp	Zhan 66 Pro 13 G2	-	All	All
Operating System	Hp	Zhan 66 Pro 13 G2 Firmware	All	All	All
Hardware	Hp	Zhan 66 Pro 14 G2	-	All	All
Operating System	Hp	Zhan 66 Pro 14 G2 Firmware	All	All	All
Hardware	Hp	Zhan 66 Pro 14 G3	-	All	All
Operating System	Hp	Zhan 66 Pro 14 G3 Firmware	All	All	All
Hardware	Hp	Zhan 66 Pro 14 G4 Notebook Pc	-	All	All
Operating System	Hp	Zhan 66 Pro 14 G4 Notebook Pc Firmware	All	All	All
Hardware	Hp	Zhan 66 Pro 14 Inch G5 Notebook Pc	-	All	All
Operating System	Hp	Zhan 66 Pro 14 Inch G5 Notebook Pc Firmware	All	All	All
Hardware	Hp	Zhan 66 Pro 15 G2	-	All	All
Operating System	Hp	Zhan 66 Pro 15 G2 Firmware	All	All	All
Hardware	Hp	Zhan 66 Pro 15 G3	-	All	All
Operating System	Hp	Zhan 66 Pro 15 G3 Firmware	All	All	All
Hardware	Hp	Zhan 66 Pro A 14 G3	-	All	All
Operating System	Hp	Zhan 66 Pro A 14 G3 Firmware	All	All	All

Hardware	Hp	Zhan 66 Pro A 14 G4 Notebook Pc	-	All	All
Operating System	Hp	Zhan 66 Pro A 14 G4 Notebook Pc Firmware	All	All	All
Hardware	Hp	Zhan 66 Pro A 14 G5 Notebook Pc	-	All	All
Operating System	Hp	Zhan 66 Pro A 14 G5 Notebook Pc Firmware	All	All	All
Hardware	Hp	Zhan 66 Pro G1	-	All	All
Operating System	Hp	Zhan 66 Pro G1 Firmware	All	All	All
Hardware	Hp	Zhan 66 Pro G3 22 All-in-one Pc	-	All	All
Operating System	Hp	Zhan 66 Pro G3 22 All-in-one Pc Firmware	All	All	All
Hardware	Hp	Zhan 66 Pro G3 24 All-in-one Pc	-	All	All
Operating System	Hp	Zhan 66 Pro G3 24 All-in-one Pc Firmware	All	All	All
Hardware	Hp	Zhan X 13 G2	-	All	All
Operating System	Hp	Zhan X 13 G2 Firmware	All	All	All

References

Reference	Source	Link
HP PC BIOS November 2022 Security Updates for Potential TOCTOU Vulnerabilities HP® Customer Support	MISC	support.hp.com
CVE Program record	CVE.ORG	www.cve.org
NVD vulnerability detail	NVD	nvd.nist.gov

No vendor comments have been submitted for this CVE.

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

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