



Collected data for laptops and 2-in-1 devices with 13-inch screens

This report gathers publicly available data from the internet

We used vendor-provided data when available and then supplemented it with benchmark performance data from third-party websites. We then separated that data based on chassis or form specs, display and processor specs, and battery life claims and reported benchmark performance.

The information in this report comes directly from each vendor's website. We gathered only the information that each vendor chose to disclose about their laptops. The data in this report is accurate as of April 28, 2017. Note: We did not test any battery life or performance claim in this report.

Devices with 13-inch screens

The first table for each vendor presents the starting price of the model and then its thinness, weight, dimensions, and total area. The second table for each vendor presents display and processor info. The third table for each vendor presents reported battery info and reported benchmark performance if applicable. We collected scores from 3DMark® 11, PCMark® 8, SYSMark®, and LuxMark.

Unless noted, the screens of the devices measure 13.3 inches in length.

Acer®

Starting price and dimensions

Model	Starting price point	Thinness (in.)	Footprint (in.)	Total area (sq. in.)	Weight (lbs.)
2-in-1					
Aspire® R 13 (R7-372T-50BG)	\$949.99	0.70	13.5 x 9.1	122.9	3.53
Aspire R 13 (R7-372T-74B3)	\$999.99	0.73	13.5 x 9.1	122.9	3.53
Aspire R 13 (R7-372T-54TM)	\$899.99	0.73	13.5 x 9.1	122.9	3.53
Aspire R 13 (R7-372T-758Q)	\$1,099.99	0.70	13.5 x 9.1	122.9	3.53
Spin 5 (SP513-51-395G)	\$499.99	0.78	12.9 x 9.0	116.1	3.53
Spin 5 (SP513-51-38M1)	\$499.99	0.78	12.9 x 9.0	116.1	3.53
Spin 5 (SP513-51-51PB)	\$649.99	0.78	12.9 x 9.0	116.1	3.53
Spin 5 (SP513-51-55ZR)	\$649.99	0.78	12.9 x 9.0	116.1	3.53
Laptop					
Aspire S 13 (S5-371-52JR)	\$749.99	0.60	12.9 x 11.3	145.8	2.87
Aspire S 13 (S5-371-55DC)	\$749.99	0.60	12.9 x 11.3	145.8	2.87
Aspire S 13 (S5-371T-76CY)	\$999.99	0.60	12.9 x 9.0	116.1	3.28
Aspire S 13 (S5-371T-76UX)	\$999.99	0.60	12.9 x 9.0	116.1	3.28
Aspire S 13 (S5-371T-58CC)	\$799.99	0.60	12.9 x 9.0	116.1	3.00
Aspire S 13 (S5-371T-78TA)	\$799.99	0.60	12.9 x 9.0	116.1	3.00
Aspire V 13 (V3-372T-77US)	\$699.99	0.80	12.9 x 9.0	116.1	3.53
Swift 7 (SF713-51-M90J)	\$999.99	0.39	12.8 x 9.0	115.2	2.48

Display, pen support, and processor info

Model	Display resolution	Display PPI	Touchscreen support	Pen support	Processor model	Processor gen
Aspire R 13 (R7-372T-50BG)	1920 x 1080	165.63	Yes	No	U	6th
Aspire R 13 (R7-372T-74B3)	1920 x 1080	165.63	Yes	No	U	6th
Aspire R 13 (R7-372T-54TM)	1920 x 1080	165.63	Yes	No	U	6th
Aspire R 13 (R7-372T-758Q)	1920 x 1080	165.63	Yes	No	U	6th
Aspire S 13 (S5-371-52JR)	1920 x 1080	165.63	No	No	U	6th
Aspire S 13 (S5-371-55DC)	1920 x 1080	165.63	No	No	U	7th
Aspire S 13 (S5-371T-76CY)	1920 x 1080	165.63	Yes	No	U	6th
Aspire S 13 (S5-371T-76UX)	1920 x 1080	165.63	Yes	No	U	6th

Model	Display resolution	Display PPI	Touchscreen support	Pen support	Processor model	Processor gen
Aspire S 13 (S5-371T-58CC)	1920 x 1080	165.63	No	No	U	6th
Aspire S 13 (S5-371T-78TA)	1920 x 1080	165.63	Yes	No	U	6th
Aspire V 13 (V3-372T-77US)	1920 x 1080	165.63	Yes	No	U	6th
Spin 5 (SP513-51-395G)	1920 x 1080	165.63	Yes	No	U	6th
Spin 5 (SP513-51-38M1)	1920 x 1080	165.63	Yes	No	U	7th
Spin 5 (SP513-51-51PB)	1920 x 1080	165.63	Yes	No	U	6th
Spin 5 (SP513-51-55ZR)	1920 x 1080	165.63	Yes	No	U	6th
Swift 7 (SF713-51-M90J)	1920 x 1080	165.63	No	No	Y	7th

Battery and benchmark performance

Model	Battery	Battery life claim (hrs:mins)	3DMark 11	PCMark 8	SYSmark	LuxMark
Aspire R 13 (R7-372T-50BG)	4-cell Lithium Ion (Li-Ion) 3315 mAh	N/A	N/A	N/A	N/A	N/A
Aspire R 13 (R7-372T-74B3)	4-cell Lithium Ion (Li-Ion), 3220 mAh	9:30	1512 - Performance	3198 - Home Score Accelerated v2 3886 - Creative Score Accelerated v2 4091 - Work Score Accelerated v2	N/A	N/A
Aspire R 13 (R7-372T-54TM)	4-cell Lithium Ion (Li-Ion), 3220 mAh	9:30	N/A	N/A	N/A	N/A
Aspire R 13 (R7-372T-758Q)	4-cell Lithium Ion (Li-Ion) 3315 mAh	N/A	N/A	N/A	N/A	N/A
Aspire S 13 (S5-371-52JR)	3-cell Lithium Polymer (Li-Po), 4030 mAh	11:00	N/A	N/A	N/A	N/A
Aspire S 13 (S5-371-55DC)	3-cell Lithium Polymer (Li-Po), 4030 mAh	11:00	N/A	N/A	N/A	N/A
Aspire S 13 (S5-371T-76CY)	3-cell Lithium Polymer (Li-Po), 4850 mAh	13:00	N/A	N/A	N/A	N/A
Aspire S 13 (S5-371T-76UX)	3-cell Lithium Polymer (Li-Po), 4850 mAh	13:00	N/A	N/A	N/A	N/A
Aspire S 13 (S5-371T-58CC)	3-cell Lithium Polymer (Li-Po), 4850 mAh	N/A	N/A	N/A	N/A	N/A
Aspire S 13 (S5-371T-78TA)	3-cell Lithium Polymer (Li-Po), 4850 mAh	N/A	N/A	N/A	N/A	N/A
Aspire V 13 (V3-372T-77US)	4-cell Lithium Ion (Li-Ion), 3220 mAh	N/A	N/A	N/A	N/A	N/A
Spin 5 (SP513-51-395G)	4-cell Lithium Ion (Li-Ion), 3220 mAh	10:00	1321 - Performance	3224 - Home Accelerated v2 4121 - Work Accelerated v2	N/A	N/A
Spin 5 (SP513-51-38M1)	4-cell Lithium Ion (Li-Ion), 3220 mAh	10:00	N/A	N/A	N/A	N/A

Model	Battery	Battery life claim (hrs:mins)	3DMark 11	PCMark 8	SYSmark	LuxMark
Spin 5 (SP513-51-51PB)	4-cell Lithium Ion (Li-Ion), 3220 mAh	10:00	N/A	N/A	N/A	N/A
Spin 5 (SP513-51-55ZR)	4-cell Lithium Ion (Li-Ion), 3220 mAh	10:00	N/A	N/A	N/A	N/A
Swift 7 (SF713-51-M90J)	4-cell Lithium Ion (Li-Ion), 2770 mAh	9:00	N/A	2794 - Work Conventional	N/A	N/A

Apple®

Starting price and dimensions

Model	Starting price point	Thickness (in.)	Footprint (in.)	Total area (sq. in.)	Weight (lbs.)
Laptop					
MacBook Air® (13-inch)	\$999.00	0.11-0.68	12.8 × 8.94	114.4	2.96
MacBook Pro® (13-inch 2015)	\$1,299.00	0.71	12.35 × 8.62	106.5	3.48
MacBook Pro (13-inch) (with Touch Bar)	\$1,799.00	0.59	11.97 × 8.36	100.1	3.02
MacBook Pro (13-inch) (without Touch Bar)	\$1,499.00	0.59	11.97 × 8.36	100.1	3.02

Display, pen support, and processor info

Model	Display resolution	Display PPI	Touchscreen support	Pen support	Processor model	Processor gen
MacBook Air (13-inch)	1440 x 900	127.68	No	No	U	5th
MacBook Pro (13-inch 2015)	2560 x 1600	226.98	No	No	U	5th
MacBook Pro (13-inch) (with Touch Bar)	2560 x 1600	226.98	No	No	U	6th
MacBook Pro (13-inch) (without Touch Bar)	2560 x 1600	226.98	No	No	U	6th

Battery and benchmark performance

Model	Battery	Battery life claim (hrs:mins)	3DMark 11	PCMark 8	SYSmark	LuxMark
MacBook Air (13-inch)	Built-in 54 Wh Li-Po	12:00	1459 - Performance	3579 - Home Accelerated v2 4432 - Creative Accelerated v2 4367 - Work Accelerated v2	N/A	N/A
MacBook Pro (13-inch 2015)	Built-in 74.9 Wh lithium-polymer	12:00	1828 - Performance	3363 - Home Accelerated v2 4593 - Creative Accelerated v2 4105 - Work Accelerated v2	N/A	1500 - LuxMark 3 LuxBall
MacBook Pro (13-inch) (with Touch Bar)	Built-in 49.2 Wh lithium-polymer	10:00	2881 - Performance	3738 - Home Accelerated v2 4218 - Work Accelerated v2	N/A	N/A
MacBook Pro (13-inch) (without Touch Bar)	Built-in 54.5 Wh lithium-polymer	10:00	2401 - Performance	3280 - Home Accelerated v2 4205 - Creative Accelerated v2 3853 - Work Accelerated v2	N/A	N/A

Starting price and dimensions

Model	Starting price point	Thickness (in.)	Footprint (in.)	Total area (sq. in.)	Weight (lbs.)
2-in-1					
Q304UA	\$699.99	0.80	12.7 x 8.90	113.0	3.31
Q324UA	\$999.99	0.55	12.64 x 8.62	108.9	2.80
ZenBook™ Flip (UX360CA)	\$799.00	0.54	12.71 x 8.66	110.1	2.86
Laptop					
ZenBook UX303UA	\$749.00	0.80	12.7 x 8.80	111.8	3.20
ZenBook UX303UB	\$1,199.00	0.80	12.7 x 8.80	111.8	3.20

Display, pen support, and processor info

Model	Display resolution	Display PPI	Touchscreen support	Pen support	Processor model	Processor gen
Q304UA	1920 x 1080	165.63	Yes	No	U	7th
Q324UA	1920 x 1080	165.63	Yes	No	U	7th
ZenBook UX303UA	1920 x 1080	165.63	No	No	U	6th
ZenBook UX303UB	3200 x 1800	276.05	Yes	No	U	6th
ZenBook Flip (UX360CA)	1920 x 1080	165.63	Yes	No	Y	6th

Battery and benchmark performance

Model	Battery	Battery life claim (hrs:mins)	3DMark 11	PCMark 8	SYSmark	LuxMark
Q304UA	3-cells Polymer	10:00	N/A	N/A	N/A	N/A
Q324UA	3-cells Polymer	14:00	N/A	N/A	N/A	N/A
ZenBook UX303UA	3-cells Polymer, 50 Wh	8:00	1569 - Performance	3454 - Home Accelerated v2 4083 - Creative Accelerated v2 4256 - Work Accelerated v2	N/A	N/A
ZenBook UX303UB	3-cells Polymer, 50 Wh	7:00	2488 - Performance	3320 - Home Accelerated v2 4042 - Creative Accelerated v2 4353 - Work Accelerated v2	N/A	N/A
ZenBook Flip (UX360CA)	3-cells Polymer, 54 Whrs	10:00	785 - Performance	2727 - Home Accelerated v2 3496 - Work Accelerated v2	N/A	N/A



Starting price and dimensions

Model	Starting price point	Thickness (in.)	Footprint (in.)	Total area (sq. in.)	Weight (lbs.)
2-in-1					
XPS™ 13 2-in-1	\$999.99	0.32-0.54	11.98 × 7.80	93.4	2.70
Inspiron™ 13 5000	\$549.99	0.77-0.80	12.76 × 8.85	112.9	3.56
Inspiron 13 5000	\$849.99	0.77-0.80	12.76 × 8.85	112.9	3.56
Inspiron 13 7000	\$1,099.99	0.74-0.76	12.69 × 8.82	111.9	3.86
Latitude™ 13 3000	\$949.00	0.74-0.76	12.69 × 8.82	111.9	3.52
Laptop					
Alienware® 13	\$999.99	0.87-0.94	13.00 × 10.60	137.8	5.80
XPS 13	\$1,649.99	0.33-0.60	11.98 × 7.80	93.4	2.70
Latitude 3380 Education	\$639.00	0.90	13.10 × 9.13	119.6	3.60

Display, pen support, and processor info

Model	Display resolution	Display PPI	Touchscreen support	Pen support	Processor model	Processor gen
Alienware 13	2560 x 1440	220.84	Yes	No	HQ	7th
XPS 13	3200 x 1800	276.05	Yes	No	U	7th
XPS 13 2-in-1	3200 x 1800	276.05	Yes	No	Y	7th
Inspiron 13 5000	1920 x 1080	165.63	Yes	No	U	6th
Inspiron 13 5000	1920 x 1080	165.63	Yes	No	U	7th
Inspiron 13 7000	1920 x 1080	165.63	Yes	No	U	7th
Latitude 13 3000	1920 x 1080	165.63	Yes	No	U	6th
Latitude 3380 Education	1920 x 1080	165.63	No	No	U	6th

Battery and benchmark performance

Model	Battery	Battery life claim (hrs:mins)	3DMark 11	PCMark 8	SYSmark	LuxMark
Alienware 13	76 Wh Lithium Ion	N/A	12319 - Performance	3894 - Home Accelerated v2 5200 - Creative Accelerated v2 4799 - Work Accelerated v2	N/A	N/A
XPS 13	60Whr	22:00 Productivity (FHD) 13:00 Netflix streaming	1771 - Performance	2855 - Home Accelerated v2 4172 - Creative Accelerated v2 4176 - Work Accelerated v2	N/A	N/A
XPS 13 2-in-1	4-Cell 46 Wh	15:00	1505 - Performance	3134 - Home Accelerated v2 4277 - Creative Accelerated v2 4674 - Work Accelerated v2	N/A	N/A

Model	Battery	Battery life claim (hrs:mins)	3DMark 11	PCMark 8	SYSmark	LuxMark
Inspiron 13 5000	42WHr, 3-Cell	N/A	N/A	N/A	N/A	N/A
Inspiron 13 5000	42WHr, 3-Cell	N/A	1658 - Performance	3699 - Home Accelerated v2 4577 - Work Accelerated v2	N/A	N/A
Inspiron 13 7000	42WHr, 3-Cell	N/A	N/A	N/A	N/A	N/A
Latitude 13 3000	42WHr, 3-Cell	N/A	1396 - Performance	2954 - Home Accelerated v2 3839 - Work Accelerated v2	N/A	N/A
Latitude 3380 Education	56WHr, 4-Cell	10:00	N/A	N/A	N/A	N/A

Fujitsu®

Starting price and dimensions

Model	Form factor	Starting price point	Thickness (in.)	Footprint (in.)	Total area (sq. in.)	Weight (lbs.)
2-in-1						
LIFEBOOK® T936	2-in-1	\$1,399.00	0.76	12.64 x 9.52	120.3	3.50
LIFEBOOK T937	2-in-1	\$1,899.00	0.76	12.51 x 9.25	115.7	3.00
STYLISTIC® Q736 Advanced Hybrid Tablet PC	2-in-1	\$1,249.00	1.33	12.56 x 9.76	122.6	4.56
STYLISTIC Q737 Advanced Hybrid Tablet PC	2-in-1	\$1,499.00	1.33	12.56 x 9.76	122.6	4.56
Laptop						
LIFEBOOK E736	Laptop	\$949.00	0.79	12.64 x 8.98	113.5	3.50

Display, pen support, and processor info

Model	Display resolution	Display PPI	Touchscreen support	Pen support	Processor model	Processor gen
LIFEBOOK E736	1366 x 768	117.83	No	No	U	6th
LIFEBOOK T936	2560 x 1440	220.84	Yes	Yes	U	6th
LIFEBOOK T937	1920 x 1080	165.63	Yes	Yes	U	7th
STYLISTIC Q736 Advanced Hybrid Tablet PC	1920 x 1080	165.63	Yes	Yes	U	6th
STYLISTIC Q737 Advanced Hybrid Tablet PC	1920 x 1080	165.63	Yes	Yes	U	7th

Battery and benchmark performance

Model	Battery	Battery life claim (hrs:mins)	3DMark 11	PCMark 8	SYSmark	LuxMark
LIFEBOOK E736	Main Li-Ion 6-cell, 5,800 mAh, 63 Wh	9:40	N/A	2931 - Home (not specified) 2810 - Creative (not specified) 3247 - Work (not specified)	N/A	N/A
LIFEBOOK T936	Li-Ion 4-cell, 3150 mAh, 45 Wh	10:10	N/A	N/A	N/A	N/A
LIFEBOOK T937	Lithium Polymer 4-cell, 50 Wh	11:20	N/A	N/A	N/A	N/A
STYLISTIC Q736 Advanced Hybrid Tablet PC	Lithium Polymer 3-cell, 10.8V, 4250 mAh/46 Wh	9:30	N/A	N/A	N/A	N/A
STYLISTIC Q737 Advanced Hybrid Tablet PC	Lithium Polymer 3-cell, 10.8V, 4250 mAh/46 Wh	12:20	N/A	N/A	N/A	N/A

HP

Starting price and dimensions

Model	Starting price point	Thickness (in.)	Footprint (in.)	Total area (sq. in.)	Weight (lbs.)
2-in-1					
EliteBook x360 1030 G2	\$1,669.00	0.59	12.48 x 8.60	107.3	2.82
Spectre x360 Convertible Laptop 13-ac075nr	\$1,199.99	0.55	12.07 x 8.58	103.5	2.89
Spectre x360 Convertible Laptop 13-ac076nr	\$1,349.99	0.55	12.07 x 8.58	103.5	2.89
Spectre x360 Convertible Laptop 13t touch	\$1,089.99	0.54	12.02 x 8.58	103.1	2.86
Pavilion x360 - 13t touch Laptop	\$689.99	0.78	12.85 x 8.74	112.3	3.66
Laptop					
EliteBook 1030 G1	\$1,128.56	0.62	12.20 x 8.27	100.9	2.55
Envy - 13t	\$1,109.99	0.55	12.83 x 8.90	114.2	2.87
Spectre - 13t	\$1,169.99	0.41	12.80 x 9.03	115.6	2.45
ProBook 430 G3	\$1,031.00	0.84-0.88	12.83 x 9.20	118.0	3.31
ProBook 430 G4	\$1,170.00	0.78	12.99 x 9.19	119.4	3.28

Display, pen support, and processor info

Model	Display resolution	Display PPI	Touchscreen support	Pen support	Processor model	Processor gen
EliteBook 1030 G1	3200 x 1800	276.05	Yes	No	Y	6th
EliteBook x360 1030 G2	1920 x 1080	165.63	Yes	No	U	7th
Envy - 13t	3200 x 1800	276.05	Yes	No	Y	7th

Model	Display resolution	Display PPI	Touchscreen support	Pen support	Processor model	Processor gen
Spectre - 13t	1920 x 1080	165.63	No	No	U	7th
Spectre x360 Convertible Laptop 13-ac075nr	1920 x 1080	165.63	Yes	No	U	7th
Spectre x360 Convertible Laptop 13-ac076nr	1920 x 1080	165.63	Yes	No	U	7th
Spectre x360 Convertible Laptop 13t touch	1920 x 1080	165.63	Yes	No	U	7th
Pavilion x360 - 13t touch Laptop	1920 x 1080	165.63	Yes	No	U	7th
ProBook 430 G3	1920 x 1080	165.63	Yes	No	U	6th
ProBook 430 G4	1366 x 768	117.83	Yes	No	U	7th

Battery and benchmark performance

Model	Battery	Battery life claim (hrs:mins)	3DMark 11	PCMark 8	SYSmark	LuxMark
EliteBook 1030 G1	4-cell, 40 Wh Li-ion	N/A	1219 - Performance	2838 - Home Accelerated v2 3555 - Creative Accelerated v2 3784 - Work Accelerated v2	N/A	N/A
EliteBook x360 1030 G2	3-cell, 57 Wh Lithium-ion	16:30	1610 - Performance	3774 - Home Accelerated v2 4781 - Creative Accelerated v2 4803 - Work Accelerated v2	N/A	N/A
Envy - 13t	3-cell, 57.8 Wh Lithium-ion	N/A	N/A	N/A	N/A	N/A
Spectre - 13t	4-cell 38 Wh Li-ion	9:00	N/A	N/A	N/A	N/A
Spectre x360 Convertible Laptop 13-ac075nr	3-cell, 57.8 Wh Lithium-ion	16:15	1720 - Performance	4354 - Creative Accelerated v2	N/A	N/A
Spectre x360 Convertible Laptop 13-ac076nr	3-cell, 57.8 Wh Lithium-ion	16:15	1720 - Performance	4354 - Creative Accelerated v2	N/A	N/A
Spectre x360 Convertible Laptop 13t touch	3-cell, 57.8 Wh Lithium-ion	16:15	N/A	N/A	SYSmark 2014 1293 - Overall 1309 - Office Productivity 1244 - Media Creation 1328 - Data/Financial Analysis	N/A
Pavilion x360 - 13t touch Laptop	3-cell, 41Whr Lithium-ion	9:15	1523 - Performance	3694 - Home Accelerated v2 4365 - Creative Accelerated v2 4821 - Work Accelerated v2	N/A	N/A
ProBook 430 G3	4-Cell (40 WHr) Lithium-ion	N/A	1222 - Performance	3043 - Home Accelerated v2 3390 - Creative Accelerated v2 4106 - Work Accelerated v2	N/A	N/A
ProBook 430 G4	HP 3-cell, 48 Wh Long Life Li-ion	N/A	1569 - Performance	3554 - Home Accelerated v2 4588 - Creative Accelerated v2 4717 - Work Accelerated v2	N/A	N/A



Starting price and dimensions

Model	Starting price point	Thickness (in.)	Footprint (in.)	Total area (sq. in.)	Weight (lbs.)
2-in-1					
Yoga™ 720	\$859.99	0.50	12.20 x 8.40	102.5	2.90
Yoga 910	\$1,049.99	0.56	12.72 x 8.84	112.4	3.04
Laptop					
Ideapad™ 710S	\$1,099.00	0.55	12.09 x 8.42	101.8	2.60
Ideapad 710S Plus	\$899.99	0.58	12.16 x 8.66	105.3	2.60
ThinkPad® 13	\$699.00	0.77	12.69 x 8.77	111.3	3.17

Display, pen support, and processor info

Model	Display resolution	Display PPI	Touchscreen support	Pen support	Processor model	Processor gen
Ideapad 710S	1920 x 1080	165.63	No	No	U	7th
Ideapad 710S Plus	1920 x 1080	165.63	No	No	U	7th
ThinkPad 13	1920 x 1080	165.63	No	No	U	7th
Yoga 720	1920 x 1080	165.63	Yes	Yes	U	7th
Yoga 910	3840 x 2160	316.97	Yes	No	U	7th

Battery and benchmark performance

Model	Battery	Battery life claim (hrs:mins)	3DMark 11	PCMark 8	SYSmark	LuxMark
Ideapad 710S	4-cell, 46 Wh, Li-Cylindrical	8:00	N/A	N/A	N/A	N/A
Ideapad 710S Plus	46 Wh	7:00	N/A	N/A	N/A	N/A
ThinkPad 13	42 Wh	11:00	1619 - Performance	3705 - Home Accelerated v2 4583 - Creative Accelerated v2 4838 - Work Accelerated v2	N/A	N/A
Yoga 720	4-cell, 48 Wh, Li-Cylindrical	8:00	N/A	N/A	N/A	N/A
Yoga 910	Not listed	9:00	1651 - Performance	4108 - Creative Accelerated v2	N/A	N/A

LG

Starting price and dimensions

Model	Starting price point	Thinness (in.)	Footprint (in.)	Total area (sq. in.)	Weight (lbs.)
Laptop					
gram (13Z970-A.AAS5U1)	\$1,099.99	0.6	12.1 x 8.3	100.4	2.07
gram (13Z970-U.AAW5U1)	\$999.99	0.6	12.1 x 8.3	100.4	2.07

Display, pen support, and processor info

Model	Display resolution	Display PPI	Touchscreen support	Pen support	Processor model	Processor gen
gram (13Z970-A.AAS5U1)	1920 x 1080	165.63	Yes	No	U	7th
gram (13Z970-U.AAW5U1)	1920 x 1080	165.63	Yes	No	U	7th

Battery and benchmark performance

Model	Battery (Wh)	Battery life claim (hrs:mins)	3DMark 11	PCMark 8	SYSmark	LuxMark
gram (13Z970-A.AAS5U1)	60	15:00	N/A	N/A	N/A	N/A
gram (13Z970-U.AAW5U1)	60	17:30	N/A	N/A	N/A	N/A

Microsoft®

Model: Surface Book with Performance Base			
Form factor	2-in-1	Touchscreen support	Yes
Starting price point	\$2,399.00	Pen support	Yes
Thinness (in.)	0.51-0.90	Processor model	U
Footprint (in.)	12.30 x 9.14	Processor gen	6th
Total area (sq. in.)	112.4	Battery	70 Whr (18 Wh in tablet & 52 Wh in base)
Weight (lbs.)	3.63	Battery life claim (hrs:mins)	16:00
Display size (in.)	13.5	3DMark 11	5980 - Performance
Display resolution	3000 x 2000	PCMark 8	4041 - Creative Accelerated v2
Display PPI	271.09	SYSmark	N/A
		LuxMark	2143 - LuxMark 3.1 LuxBall

Panasonic

Model: Toughbook 31			
Form factor	Laptop	Touchscreen support	Yes
Starting price point	\$3,595.00	Pen support	No
Thinness (in.)	2.9	Processor model	U
Footprint (in.)	11.5 x 11.9	Processor gen	5th
Total area (sq. in.)	136.8	Battery	Li-Ion
Weight (lbs.)	7.9	Battery life claim (hrs:mins)	18:00
Display size (in.)	13.1	3DMark 11	N/A
Display resolution	1024 x 768	PCMark 8	N/A
Display PPI	97.71	SYSmark	N/A
		LuxMark	N/A

Sager

Model: Sager NP3130			
Form factor	Laptop	Touchscreen support	No
Starting price point	\$1,099.00	Pen support	No
Thinness (in.)	0.7	Processor model	U
Footprint (in.)	12.98 x 8.86	Processor gen	7th
Total area (sq. in.)	115	Battery	4-cell
Weight (lbs.)	2.87	Battery life claim (hrs:mins)	N/A
Display size (in.)	13.1	3DMark 11	N/A
Display resolution	3200 x 1800	PCMark 8	N/A
Display PPI	276.05	SYSmark	N/A
		LuxMark	N/A



Starting price and dimensions

Model	Starting price point	Thickness (in.)	Footprint (in.)	Total area (sq. in.)	Weight (lbs.)
2-in-1					
Notebook 9 spin (NP940X3L-K01US)	\$1,099.99	0.59	12.39 x 8.69	107.7	2.87
Notebook 7 spin (NP740U3L-L02US)	\$799.99	0.78	12.75 x 8.98	114.5	3.9
Notebook 7 spin (NP740U3M-K01US)	\$799.99	0.78	12.75 x 8.98	114.5	3.9
Laptop					
Notebook 9 (NP900X3L-K06US)	\$999.99	0.53	12.35 x 8.6	106.2	2.8
Notebook 9 (NP900X3N-K01US)	\$999.99	0.55	12.18 x 8.19	99.75	1.8
Notebook 9 (NP900X3N-K04US)	\$1,199.99	0.55	12.18 x 8.19	99.75	1.8

Display, pen support, and processor info

Model	Display resolution	Display PPI	Touchscreen support	Pen support	Processor model	Processor gen
Notebook 9 spin (NP940X3L-K01US)	3200 x 1800	276.05	Yes	No	U	6th
Notebook 7 spin (NP740U3L-L02US)	1920 x 1080	165.63	Yes	No	U	6th
Notebook 7 spin (NP740U3M-K01US)	1920 x 1080	165.63	Yes	No	U	7th
Notebook 9 (NP900X3L-K06US)	1920 x 1080	165.63	No	No	U	6th
Notebook 9 (NP900X3N-K01US)	1920 x 1080	165.63	No	No	U	7th
Notebook 9 (NP900X3N-K04US)	1920 x 1080	165.63	No	No	U	7th

Battery and benchmark performance

Model	Battery	Battery life claim (hrs:mins)	3DMark 11	PCMark 8	SYSmark	LuxMark
Notebook 9 spin (NP940X3L-K01US)	2-cell / Li-Ion 39 Wh	7:20	N/A	N/A	N/A	N/A
Notebook 7 spin (NP740U3L-L02US)	3-cell / Li-Ion 45 Wh	10:30 (MM2007) 9:00 (MM2014)	N/A	N/A	N/A	N/A
Notebook 7 spin (NP740U3M-K01US)	3-cell / Li-Ion 45 Wh	9:00	N/A	N/A	N/A	N/A
Notebook 9 (NP900X3L-K06US)	2-cell / Li-Ion 30 Wh	10:00 MM 2007 7:30 MM 2014	N/A	N/A	N/A	N/A
Notebook 9 (NP900X3N-K01US)	2-cell / Li-Ion 30 Wh	N/A	N/A	N/A	N/A	N/A
Notebook 9 (NP900X3N-K04US)	2-cell / Li-Ion 30 Wh	N/A	N/A	N/A	N/A	N/A

VAIO

Starting price and dimensions

Model	Starting price point	Thickness (in.)	Footprint (in.)	Total area (sq. in.)	Weight (lbs.)
2-in-1					
VAIO® Z (flip)	\$1,799.00	0.59-0.66	12.76 x 8.48	108.2	2.96
Laptop					
VAIO S	\$1,099.00	0.52-0.71	12.68 x 8.53	108.1	2.34
VAIO Z	\$1,499.00	0.59-0.66	12.76 x 8.48	108.2	2.58

Display, pen support, and processor info

Model	Display resolution	Display PPI	Touchscreen support	Pen support	Processor model	Processor gen
VAIO S	1920 x 1080	165.63	No	No	U	6th
VAIO Z	1920 x 1080	165.63	No	No	U	6th
VAIO Z (flip)	2560 x 1440	220.84	Yes	No	U	6th

Battery and benchmark performance

Model	Battery	Battery life claim (hrs:mins)	3DMark 11	PCMark 8	SYSmark	LuxMark
VAIO S	Lithium Polymer	9	1016 - Performance	2990 - Home Accelerated v2 4202 - Work Accelerated v2	N/A	N/A
VAIO Z	Lithium Polymer	15:30	N/A	N/A	N/A	N/A
VAIO Z (flip)	Lithium Polymer	11:30	2830 - Performance	3536 - Home Accelerated v2 4251 - Work Accelerated v2	N/A	N/A

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