

## COMPARISON OF 13-INCH CLASS NOTEBOOKS

We compared the Dell™ XPS™ 13 9360 notebook to others in its class from vendors including Acer®, Apple®, ASUS®, Fujitsu®, HP, Lenovo®, Samsung®, and Toshiba®. Figure 1 compares the systems, which have a 13.3-inch screen size unless otherwise noted, using publically available data at each vendor's respective Web site. We gathered this data at the links provided on 02/10/2017 (click on model names to follow them) and report only what each vendor disclosed on their sites. Dell provided us with information about the Dell XPS 13 notebook.

According to vendor-provided data, the new Dell XPS 13 9360:

- is the smallest 13-inch laptop
- has the longest battery life of any 13-inch laptop

Brand	Model	Thickness		Dimensions		Total area (sq. inches)	Weight	
		mm	inches	mm	inches		Lbs.	Kg.
Dell	XPS 13 (9360)	9mm-15mm	0.33-0.6	304 × 200	11.98 × 7.88	94.4	2.6	1.18
Acer	<a href="#">Aspire S 13 (S5-371-52JR)</a> <a href="#">(S5-371-38UZ)</a> <a href="#">(S5-371-55DC)</a>		0.57-0.6		12.9 × 11.3	145.8	2.87	
Acer	<a href="#">Aspire S 13 (S5-371T-58CC)</a> <a href="#">(S5-371T-537V)</a> <a href="#">(S5-371T-76UX)</a> <a href="#">(S5-371T-57WW)</a> <a href="#">(S5-371T-72KV)</a> <a href="#">(S5-371T-56KX)</a> <a href="#">(S5-371T-76CY)</a>		0.57-0.6		12.9 × 9	116.1	3	
Acer	<a href="#">Aspire S 13 (S5-371T-78TA)</a> <a href="#">(S5-371T-77HX)</a>		0.57-0.6		12.9 × 9	116.1	3	
Acer	<a href="#">Aspire V 13 (V3-372T-5051)</a> <a href="#">(V3-372T-77US)</a>		0.8		12.9 × 9	116.1	3.53	



Brand	Model	Thickness		Dimensions		Total area (sq. inches)	Weight	
		mm	inches	mm	inches		Lbs.	Kg.
Acer	<a href="#">Swift 7 (SF713-51-M90J)</a>		0.39		12.8 x 9	115.2	2.48	
Apple	<a href="#">MacBook Air (13-inch)</a>	3mm-17mm	0.11-0.68	325 x 227	12.8 x 8.94	114.4	2.96	1.35
Apple	<a href="#">MacBook Pro (13-inch 2015)</a>	18	0.71	314 x 219	12.35 x 8.62	106.5	3.48	1.58
Apple	<a href="#">MacBook Pro (13-inch)</a>	14.9	0.59	304.1 x 212.4	11.97 x 8.36	100.1	3.02	1.37
ASUS	<a href="#">ZenBook UX303UA</a>	19.2	0.8	323 x 223	12.7 x 8.8	111.8	3.2	
ASUS	<a href="#">ZenBook UX303UB</a>	19.2	0.8	323 x 223	12.7 x 8.8	111.8	3.2	
ASUS	<a href="#">ZenBook UX305UA</a>		0.63		12.7 x 8.89	112.9	2.86	
ASUS	<a href="#">ZenBook UX305CA</a>		0.5		12.8 x 8.9	113.9	2.65	
ASUS	<a href="#">Zenbook UX305FA</a>		0.5		12.8 x 8.9	113.9	2.6	
ASUS	<a href="#">ZenBook UX306UA</a>		0.54		12.76 x 8.89	113.4	2.9	
ASUS	<a href="#">ZenBook UX330UA</a>		0.53		12.7 x 8.7	112.9	2.64	
Fujitsu	<a href="#">LIFEBOOK E736</a>		0.79-1.06		12.64 x 8.98	113.5	3.5	
HP	<a href="#">EliteBook 1030 G1</a>		0.62		12.2 x 8.27	100.9	2.55	
HP	<a href="#">ENVY</a>		0.55		12.83 x 8.9	114.2	2.87	
HP	<a href="#">Spectre - 13t</a> <a href="#">Spectre 13-v151nr</a>		0.41		12.8 x 9.03	115.6	2.45	

Brand	Model	Thickness		Dimensions		Total area (sq. inches)	Weight	
		mm	inches	mm	inches		Lbs.	Kg.
HP	<a href="#">ProBook 430 G3</a>		0.78-0.83		12.83 x 9.19	117.9	3.31	
HP	<a href="#">ProBook 430 G4</a>		0.78		12.99 x 9.19	119.4	3.28	
Lenovo	<a href="#">Ideapad 710S</a>		0.55		12.09 x 8.42	101.8	2.6	
Lenovo	<a href="#">Ideapad 710S Plus</a>		0.58		12.16 x 8.66	105.3	2.6	
Lenovo	<a href="#">ThinkPad 13</a>		0.78		12.68 x 8.78	111.3	3.2	
Samsung	<a href="#">Notebook 9 (NP900X3L-K06US)</a>		0.53		12.35 x 8.6	106.2	2.8	
Samsung	<a href="#">Notebook 9 (NP900X3N-K01US) (NP900X3N-K04US)</a>		0.55		12.18 x 8.19	99.75	1.8	
Toshiba	<a href="#">Portege A30</a>		0.84		12.4 x 9.0	111.6	3.44	
Toshiba	<a href="#">Portege Z30</a>		0.55-0.70		12.4 x 8.9	110.4	2.65	
VAIO	<a href="#">VAIO Z</a>		0.59-0.66		12.76 x 8.48	108.2	2.58	
VAIO	<a href="#">VAIO S</a>		0.52-0.71		12.68 x 8.53	108.1	2.34	

Figure 1: Dimensional information. All links and data current as of 02/10/2017.

Brand	Model	Battery info	Battery Claim
Dell	XPS 13 (9360)		22 hours, 21 minutes

Brand	Model	Battery info	Battery Claim
Acer	<a href="#">Aspire S 13 (S5-371-52JR)</a> <a href="#">(S5-371-38UZ)</a> <a href="#">(S5-371-55DC)</a>	3-cell Lithium Ion (Li-Ion) 4030 mAh	11 hours listed on the overview page 13 hours listed on the features page
Acer	<a href="#">Aspire S 13 (S5-371T-58CC)</a> <a href="#">(S5-371T-537V)</a> <a href="#">(S5-371T-76UX)</a> <a href="#">(S5-371T-57WW)</a> <a href="#">(S5-371T-72KV)</a> <a href="#">(S5-371T-56KX)</a> <a href="#">(S5-371T-76CY)</a>	3-cell Lithium Polymer (Li-Po) 4850 mAh	13 hours listed on features page
Acer	<a href="#">Aspire S 13 (S5-371T-78TA)</a> <a href="#">(S5-371T-77HX)</a>	3-cell Lithium Polymer (Li-Po) 4670 mAh	13 hours listed on features page
Acer	<a href="#">Aspire V 13 (V3-372T-5051)</a> <a href="#">(V3-372T-77US)</a>	4-cell Lithium Ion (Li-Ion) 3220 mAh	12.5 hours
Acer	<a href="#">Swift 7 (SF713-51-M90J)</a>	4-cell Lithium Ion (Li-Ion) 2770 mAh	9 hours
Apple	<a href="#">MacBook Air (13-inch)</a>	Built-in 54 Wh Li-Po battery	12 hours wireless Web time 12 hours iTunes Movie Playback
Apple	<a href="#">MacBook Pro (13-inch 2015)</a>	Built-in 74.9 Wh Li-Po battery	10 hours wireless Web time 12 hours iTunes Movie Playback
Apple	<a href="#">MacBook Pro (13-inch)</a>	Built-in 49.2 Wh Li-Po battery	10 hours wireless Web time 10 hours iTunes Movie Playback
ASUS	<a href="#">ZenBook UX303UA</a>	3-cells Polymer Battery 50 Whrs	7 hours

Brand	Model	Battery info	Battery Claim
ASUS	<a href="#">ZenBook UX303UB</a>	3-cells Polymer Battery 50 Whrs	7 hours
ASUS	<a href="#">ZenBook UX305UA</a>	56 Whrs Polymer Battery	12 hours
ASUS	<a href="#">ZenBook UX305CA</a>	45 Whrs Polymer Battery	10 hours (MM2014)
ASUS	<a href="#">Zenbook UX305FA</a>	44 Whrs Polymer Battery	10 hours daily working 8 hours video playing
ASUS	<a href="#">ZenBook UX306UA</a>	57 Whrs	7 hours
ASUS	<a href="#">ZenBook UX330UA</a>	57 Whrs Polymer Battery	Up to 12 Hours web browsing
Fujitsu	<a href="#">LIFEBOOK E736</a>	Li-Ion battery 6-cell, 5,800 mAh, 63 Wh Li-Ion battery 6-cell, 6,700 mAh, 72 Wh 2nd battery (optional) Li-Ion battery 6-cell, 2,600, mAh, 28 Wh	11 hours 30 minutes (first battery) MM2014 19 hours and 30 minutes (Dual battery+SSD) MM2014
HP	<a href="#">EliteBook 1030 G1</a>	4-cell, 40 WHr Li-ion	No official claim. <a href="#">LAPTOP Magazine</a> claims 13 hours.
HP	<a href="#">ENVY</a>	3-cell 57.8 WHr Lithium-ion Battery	14 hours (MM2014)
HP	<a href="#">Spectre - 13t Spectre 13-v151nr</a>	4-cell 38 Wh Li-ion	9 hours and 45 minutes
HP	<a href="#">ProBook 430 G3</a>	4-Cell (44 WHr) Battery 4-Cell (40 WHr) Long Life Battery 6-cell (55 WHr) Long Life Battery	No official claim. <a href="#">Notebook Check</a> claims 6 hours, 17 mins while using WiFi.
HP	<a href="#">ProBook 430 G4</a>	3-cell, 48 WHr Li-ion	No official claim. <a href="#">MSPoweruser</a> claims 16 hours.
Lenovo	<a href="#">Ideapad 710S</a>	4-cell, 46 Wh, Li-Cylindrical	8 hours of local video playback

Brand	Model	Battery info	Battery Claim
Lenovo	<a href="#">Ideapad 710S Plus</a>	46 Wh	Up to 7 hours
Lenovo	<a href="#">ThinkPad 13</a>	42 Wh	11 hours
Samsung	<a href="#">Notebook 9 (NP900X3L-K06US)</a>	2-cell / Li-Ion 30 Wh	10 hours (MM2007) 7.5 hours (MM2014)
Samsung	<a href="#">Notebook 9 (NP900X3N-K01US)</a> <a href="#">(NP900X3N-K04US)</a>	2-cell / Li-Ion 30 Wh	No official claim. <a href="#">Laptop Suggest</a> claims Up to 10 hours of moderate-to-light use.
Toshiba	<a href="#">Portege A30</a>	4-cell, Li-Ion, 45 Wh	9.08 hours (MM2014)
Toshiba	<a href="#">Portege Z30</a>	4-cell, Li-Ion, 52 Wh	15.25 hours (MM2014)
VAIO	<a href="#">VAIO Z</a>	Lithium Polymer	Up to 15 hours, 30 mins
VAIO	<a href="#">VAIO S</a>	Lithium Polymer	Up to 9 hours

Figure 2: Battery information. All links and data current as of 02/10/2017.

## ABOUT PRINCIPLED TECHNOLOGIES



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