COMPARISON OF 13-INCH CLASS NOTEBOOKS

We compared the Dell™ XPS™ 13 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 10/28/2016 (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

	Model	Thinness		Dimensions		Total area	Wei	ght
Brand		mm	inches	mm	inches	(sq. 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	Aspire S 13 (S5-371-52JR) (S5-371-3164) (S5-371-38UZ) (S5-371-75ML) (S5-371-55DC)		0.57-0.6		12.9 x 11.3	145.8	2.87	
Acer	Aspire S 13 (S5-371T-58CC) (S5-371T-537V) (S5-371T-76UX) (S5-371T-57WW) (S5-371T-72KV) (S5-371T-56KX)		0.57-0.6		12.9 x 9	116.1	3	
Acer	<u>Aspire S 13</u> (S5-371T-78TA)		0.57-0.6		12.9 x 9	116.1	3	

		Thinness		Dimensions				ght
Brand	Model	mm	inches	mm	inches	(sq. inches)	Lbs.	Kg.
Acer	Aspire V 13 (V3-372T-5051) (V3-372T-77US) (V3-372T-75VV)		0.8		12.9 × 9	116.1	3.53	
Acer	Swift 7 (SF713-51-M90J)		0.39		12.8 x 9	115.2	2.48	
Apple	MacBook Air (13-inch)	3mm-17mm	0.11-0.68	325 × 227	12.8 × 8.94	114.4	2.96	1.35
Apple	MacBook Pro (13-inch with Retina Display)	18	0.71	314 × 219	12.35 × 8.62	106.5	3.48	1.58
ASUS	ZenBook UX303UA	19.2	0.8	323 x 223	12.7 x 8.8	111.8	3.2	
ASUS	ZenBook UX303UB	19.2	0.8	323 x 223	12.7 x 8.8	111.8	3.2	
ASUS	ZenBook UX305UA		0.63		12.7 x 8.89	112.9	2.86	
ASUS	ZenBook UX305CA		0.5		12.8 x 8.9	113.9	2.65	
ASUS	Zenbook UX305FA		0.5		12.8 x 8.9	113.9	2.6	
ASUS	ZenBook UX306UA		0.54		12.76 x 8.89	113.4	2.9	
Fujitsu	LIFEBOOK E736		0.79-1.06		12.64 x 8.98	113.5	3.5	
НР	EliteBook 1030 G1		0.62		12.2 x 8.27	100.9	2.55	

		Thinness		Dimensions		Total area	Weight	
Brand	Model	mm	inches	mm	inches	(sq. inches)	Lbs.	Kg.
НР	ENVY		0.51		12.85 x 8.9	114.4	3	
НР	Spectre - 13t		0.41		12.8 x 9.03	115.6	2.45	
НР	ProBook 430 G3		0.78-0.83		12.83 x 9.19	117.9	3.31	
НР	ProBook 430 G4		0.78		12.99 x 9.19	119.4	3.28	
Lenovo	Ideapad 710S		0.55		12.09 x 8.42	101.8	2.6	
Lenovo	ThinkPad 13		0.78		12.68 x 8.78	111.3	3.2	
Samsung	Notebook 9 (NP900X3L-K06US)		0.53		12.35 x 8.6	106.2	1.9	
Toshiba	Portege A30		0.84		12.4 x 9.0	111.6	3.44	
Toshiba	Portege Z30		0.55-0.70		12.4 x 8.9	110.4	2.65	

Figure 1: Dimensional information. All links and data current as of 10/28/2016.

Brand	Model	Battery info	Battery Claim
Dell	XPS 13 (9360)		22 hours 21 minutes
Acer	Aspire S 13 (S5-371-52JR) (S5-371-3164) (S5-371-38UZ) (S5-371-75ML) (S5-371-55DC)	3-cell Lithium Ion (Li-Ion) 4030 mAh	11 hours listed on the overview page 13 hours listed on the features page

Brand	Model	Battery info	Battery Claim
Acer	Aspire S 13 (S5-371T-58CC) (S5-371T-537V) (S5-371T-76UX) (S5-371T-57WW) (S5-371T-72KV) (S5-371T-56KX)	3-cell Lithium Polymer (Li-Po) 4850 mAh	13 hours listed on features page
Acer	<u>Aspire S 13</u> (S5-371T-78TA)	3-cell Lithium Polymer (Li-Po) 4670 mAh	13 hours listed on features page
Acer	Aspire V 13 (V3-372T-5051) (V3-372T-77US) (V3-372T-75VV)	4-cell Lithium Ion (Li-Ion) 3220 mAh	12.5 hours
Acer	Swift 7 (SF713-51-M90J)	4-cell Lithium Ion (Li-Ion) 2770 mAh	9 hours
Apple	MacBook Air (13-inch)	Built-in 54Wh Li-Po battery	12 hours wireless Web time 12 hours iTunes Movie Playback 30 days Standby time
Apple	MacBook Pro (13-inch with Retina Display)	Built-in 74.9Wh Li-Po battery	10 hours wireless Web time 12 hours iTunes Movie Playback 30 days Standby time
ASUS	ZenBook UX303UA	3-cells Polymer Battery 50 Whrs	7 hours
ASUS	ZenBook UX303UB	3-cells Polymer Battery 50 Whrs	7 hours
ASUS	ZenBook UX305UA	56 Whrs Polymer Battery	12 hours
ASUS	ZenBook UX305CA	45 Whrs Polymer Battery	10 hours (MM2014)
ASUS	Zenbook UX305FA	44 Whrs Polymer Battery	10 hours daily working 8 hours video playing

Brand	Model	Battery info	Battery Claim		
ASUS	ZenBook UX306UA	57 Whrs	7 hours		
Fujitsu	LIFEBOOK E736	Li-lon battery 6-cell, 5,800 mAh, 63 Wh Li-lon battery 6-cell, 6,700 mAh, 72 Wh 2nd battery (optional) Li-lon battery 6-cell, 2,600, mAh, 28 Wh	11 hours 30 minutes (first battery) MM2014 19 hours and 30 minutes (Dual battery+SSD) MM2014		
НР	EliteBook 1030 G1	4-cell, 40 WHr Li-ion	LAPTOP Magazine claims 13 hours		
НР	<u>ENVY</u>	3-cell 45WHr Lithium-ion Battery	7 hours and 30 minutes		
НР	Spectre - 13t	4-cell 38 Wh Li-ion	9 hours and 45 minutes		
НР	ProBook 430 G3	4-Cell (44 WHr) Battery 4-Cell (40 WHr) Long Life Battery 6-cell (55 WHr) Long Life Battery	Notebook Check claims 6:17 over wireless internet.		
НР	ProBook 430 G4	3-cell, 48 WHr Li-ion	MSPU claims 16 hours		
Lenovo	Ideapad 710S	4-cell, 46 Wh, Li-Cylindrical	8 hours of Local Video Playback		
Lenovo	ThinkPad 13	42 Wh	11 hours		
Samsung	Notebook 9 (NP900X3L-K06US)	2-cell / Li-Ion 30 Wh	10 hours (MM2007) 7.5 hours (MM2014)		
Toshiba	Portege A30	4-cell, Li-lon, 45 Wh	9.08 hours (MM2014)		
Toshiba	Portege Z30	4-cell, Li-lon, 52 Wh	15.25 hours (MM2014)		

Figure 2: Battery information. All links and data current as of 10/28/2016.

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