

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 08/09/2016 (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 laptop of its class
- has the longest battery life of laptops in its class

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	Aspire S 13 (S5-371-52JR) (S5-371-3164) (S5-371-38UZ)		0.57-0.6		12.9 × 11.3	145.8	2.87	
Acer	Aspire S 13 (S5-371T-58CC) (S5-371T-537V) (S5-371T-76UX) (S5-371T-76CY) (S5-371T-57WW) (S5-371T-72KV) (S5-371T-56KX)		0.57-0.6		12.9 × 9	116.1	3	
Acer	Aspire S7 (S7-393-7451)		0.5		12.7 × 8.8	111.8	2.87	
Acer	Aspire V 13 (V3-372T-5051)		0.8		12.9 × 9	116.1	3.53	



Brand	Model	Thickness		Dimensions		Total area (sq. inches)	Weight	
		mm	inches	mm	inches		Lbs.	Kg.
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 × 223	12.7 × 8.8	111.8	3.2	
ASUS	ZenBook UX305CA		0.5		12.8 × 8.9	113.9	2.65	
ASUS	Zenbook UX305FA		0.5		12.8 × 8.9	113.9	2.6	
Fujitsu	LIFEBOOK E736		0.79-1.06		12.64 × 8.98	113.5	3.5	
HP	EliteBook 1030 G1		0.62		12.2 × 8.27	100.9	2.55	
HP	ENVY		0.51		12.85 × 8.9	114.4	3	
HP	Spectre		0.41		12.8 × 9.03	115.6	2.45	
Lenovo	Ideapad 710S		0.55		12.09 × 8.42	101.8	2.6	
Lenovo	ThinkPad 13		0.78		12.68 × 8.78	111.3	3.2	
Samsung	Notebook 9 (NP900X3L-K06US)		0.53		12.35 × 8.6	106.2	1.9	
Toshiba	Portege A30		0.84		12.4 × 9.0	111.6	3.44	
Toshiba	Portege Z30		0.55-0.70		12.4 × 8.9	110.4	2.65	

Figure 1: Dimensional information. All links and data current as of 08/09/2016.

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)	3-cell Lithium Ion (Li-Ion) 4030 mAh	11 hours
Acer	Aspire S 13 (S5-371T-58CC) (S5-371T-537V) (S5-371T-76UX) (S5-371T-76CY) (S5-371T-57WW) (S5-371T-72KV) (S5-371T-56KX)	3-cell Lithium Polymer (Li-Po) 4850 mAh	No official claims. LAPTOP Magazine claims 9 hours and 40 minutes.
Acer	Aspire S7 (S7-393-7451)	4-cell Lithium Ion (Li-Ion) 3220 mAh	10 hours
Acer	Aspire V 13 (V3-372T-5051)	4-cell Lithium Ion (Li-Ion) 3220 mAh	12.5 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 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
Fujitsu	LIFEBOOK E736	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	EliteBook 1030 G1	4-cell, 40 WHr Li-ion	No official claim. LAPTOP Magazine claims 13 hours.
HP	ENVY	3-cell 45WHr Lithium-ion Battery	7 hours and 30 minutes
HP	Spectre	4-cell 38 Wh Li-ion	9 hours and 45 minutes
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-Ion, 45 Wh	9.08 hours (MM2014)
Toshiba	Portege Z30	4-cell, Li-Ion, 52 Wh	15.25 hours (MM2014)

Figure 2: Battery information. All links and data current as of 08/09/2016.

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