COMPARISON OF 13-INCH CLASS 2-in-1 LAPTOPS

We compared the Dell™ XPS™ 13 Convertible 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 2-in-1:

- is the smallest 13-inch 2-in-1 laptop
- has the longest battery life of any 13-inch 2-in-1 laptop

Brand	Model	Thinness		Dimensions		Total area (sq. inches)	Weight	
		mm	inches	mm	inches		Lbs.	Kg.
Dell	XPS 13 2-in-1	8mm-13.7mm	0.3-0.54	304 × 199	11.97 × 7.8	93.4	2.7	1.24
Acer	Aspire R 13 (R7-372T-77LE)		0.7		13.5 × 9.1	122.9	3.53	
Acer	Aspire R 13 (R7-372T-50BG)		0.7		13.5 x 9.1	122.9	3.53	
Acer	Aspire R 13 (R7-372T-50PJ) (R7-372T-75LX) (R7-372T-54TM)		0.7		13.5 x 9.1	122.9	3.53	
Acer	Aspire R 13 (R7-372T-758Q)		0.7		13.5 x 9.1	122.9	3.53	
Acer	Aspire R 13 (R7-371T-59Q1)		0.7		13.5 × 9.1	122.9	3.31	
Acer	Spin 5 (SP513-51-30EU) (SP513-51-55ZR)		0.78		12.9 x 9	116.1	3.53	

Brand	Model	Thinness		Dimensions		Total area (sq. inches)	Weight	
		mm	inches	mm	inches		Lbs.	Kg.
ASUS	Q304UA		0.8		12.7 x 8.9	113	3.31	
ASUS	Q303		0.78		12.68 x 8.94	113.4	3.86	
ASUS	Q302		0.87		12.95 x 8.86	114.7	3.75	
ASUS	ZenBook Flip (UX360CA)		0.54		12.71 x 8.66	110.1	2.86	
Fujitsu	LIFEBOOK T936		0.76		12.64 x 9.52	120.3	3.5	
Fujitsu	STYLISTIC Q736 Advanced Hybrid Tablet PC		1.33		12.56 x 9.76	122.6	4.56	
HP	Pavilion x360 - 13t Touch Laptop		0.78		12.85 x 8.74	112.3	3.66	
HP	Spectre x360		0.63		12.79 x 8.6	109.9	3.77	
HP	Spectre x360 Convertible Laptop 13t		0.54		12.02 x 8.58	103.1	2.86	
HP	Spectre Pro x360 G2		0.6		12.79 x 8.58	109.7	3.26	
Lenovo	Yoga 3 Pro		0.5		13.0 x 9.0	117	2.62	
Lenovo	Yoga 900		0.59		12.75 x 8.86	112.9	2.8	
Lenovo	Yoga 910		0.56		12.72 x 8.84	112.4	3.04	
Microsoft	Surface Book		0.51-0.90		12.30 x 9.14	112.4	3.34	
Microsoft	Surface Book with Performance Base		0.51-0.90		12.30 x 9.14	112.4	3.63	
Samsung	Notebook 9 spin (NP940X3L-K01US)		0.59		12.39 x 8.69	107.7	2.87	
Samsung	Notebook 7 spin (NP740U3L-L02US)		0.78		12.75 x 8.98	114.5	3.9	

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

Brand	Model	Battery info	Battery Claim
Dell	XPS 13 Convertible		15 hours
Acer	Aspire R 13 (R7-372T-77LE)	4-cell Lithium Ion (Li-Ion) 3220 mAh	8 hours
Acer	Aspire R 13 (R7-372T-50BG)	4-cell Lithium Ion (Li-Ion) 3315 mAh	No official claims http://www.superbiiz.com/detail.php?name=AC-R7372TG Listed as Up to 9.5 hours
Acer	Aspire R 13 (R7-372T-50PJ) (R7-372T-75LX) (R7-372T-54TM)	4-cell Lithium Ion (Li-Ion) 3220 mAh	9.5 hours
Acer	Aspire R 13 (R7-372T-758Q)	4-cell Lithium Ion (Li-Ion)	No official claims http://www.superbiiz.com/detail.php?name=AC-R7372TQ Listed as Up to 9.5 hours
Acer	Aspire R 13 (R7-371T-59Q1)	4-cell Lithium Ion (Li-Ion) 3220 mAh	8 hours
Acer	Spin 5 (SP513-51-30EU) (SP513-51-55ZR)	4-cell Lithium Ion (Li-Ion) 3220 mAh	10 hours
ASUS	Q304UA	3Cells Whrs Polymer Battery	No official claim www.bestbuy.com 10 hours
ASUS	Q303	3Cells 50 Whrs Polymer Battery	No official claim No 3rd party claims found
ASUS	Q302	3Cells 50 Whrs Polymer Battery	No official claim http://www.notebookcheck.net/Asus-Q302LA-Convertible-Review.135479.0.html 5.5 hours WiFi
ASUS	ZenBook Flip (UX360CA)	3Cells 54 Whrs Polymer Battery	10 hours

Brand	Model	Battery info	Battery Claim
Fujitsu	LIFEBOOK T936	Li-Ion battery 4-cell, 3150 mAh, 45 Wh	10 hours and 10 minutes
Fujitsu	STYLISTIC Q736 Advanced Hybrid Tablet PC	Lithium Polymer battery 3-cell, 10.8V, 4250mAh/46Wh	9 hrs and 30 mins
HP	Pavilion x360 - 13t Touch Laptop	3-cell 41WHr Lithium-ion Battery	9 hours and 15 minutes
HP	Spectre x360	3-cell, 56 Wh Lithium-ion	12 hours and 30 minutes
HP	Spectre x360 Convertible Laptop 13t	3-cell, 57.8 Wh Lithium-ion	13.4 hours
HP	Spectre Pro x360 G2	3-cell, 56 Wh Lithium-ion	No official claims and no 3rd party reviews
Lenovo	Yoga 3 Pro	4 Cell 44.8 Watt Hour Li-Polymer	7.2 hours
Lenovo	Yoga 900	4 Cell 66 Watt Hour Li-Polymer	9 hours
Lenovo	Yoga 910	Not listed	9 hours
Microsoft	Surface Book	70 Whr (18 Wh in tablet & 52 Wh in base)	12 hours of video playback
Microsoft	Surface Book with Performance Base	70 Whr (18 Wh in tablet & 52 Wh in base)	16 hours of video playback
Samsung	Notebook 9 spin (NP940X3L-K01US)	2-cell / Li-Ion 39 Wh	10 hours (MM2007) 7.3 hours (MM2014)
Samsung	Notebook 7 spin (NP740U3L-L02US)	3-cell / Li-Ion 45 Wh	10.5 hours (MM2007) 9 hours (MM2014)

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

ABOUT PRINCIPLED TECHNOLOGIES

Principled Technologies, Inc.
1007 Slater Road, Suite 300
Durham, NC, 27703
www.principledtechnologies.com

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Our founders, Mark L. Van Name and Bill Catchings, have worked together in technology assessment for over 20 years. As journalists, they published over a thousand articles on a wide array of technology subjects. They created and led the Ziff-Davis Benchmark Operation, which developed such industry-standard benchmarks as Ziff Davis Media's Winstone and WebBench. They founded and led eTesting Labs, and after the acquisition of that company by Lionbridge Technologies were the head and CTO of VeriTest.