

## COMPARISON OF 15-INCH-CLASS 2-IN-1 LAPTOPS

We compared the Dell™ XPS™ 15 2-in-1 to others in its class from vendors including Acer®, ASUS®, HP, Lenovo®, Microsoft®, and Samsung®. Each system has a 15.6-inch screen size unless otherwise noted. The tables below compare the systems using publicly available data. Click a system's name to visit its page on the vendor's website. We gathered this data at the links provided on 12/13/2017 and report only what each vendor disclosed on their site.

According to vendor-provided data, the new Dell XPS 15 2-in-1:

- is the thinnest 15-inch 2-in-1 laptop
- is the smallest 15.6-inch 2-in-1 laptop
- is the most powerful 15-inch 2-in-1 laptop

Brand	Model	Thinness		Dimensions		Total area (in <sup>2</sup> )	Weight	
		mm	inches				lbs.	kg
Dell	<a href="#">XPS 15 2-in-1</a>	9 - 16	0.35 - 0.63	354 x 235	13.9 x 9.3	129.27	4.3	1.95
Acer	<a href="#">Nitro 5 Spin (NP515-51-56DL)</a>		0.7		15.02 x 10.16	152.6	4.85	
Acer	<a href="#">Nitro 5 Spin (NP515-51-80XS)</a>		0.7		15.02 x 10.16	152.6	4.85	
Acer	<a href="#">Aspire R15 (R5-571T-57Z0)</a>		0.79		14.59 x 10.09	147.21	5.29	
Acer	<a href="#">Aspire R15 (R5-571TG-78G8)</a>		0.79		14.59 x 10.09	147.21	4.96	
Acer	<a href="#">Aspire R15 (R5-571TG-7229)</a>		0.79		14.59 x 10.09	147.21	4.96	
Acer	<a href="#">Aspire R15 (R5-571TG-57YD)</a>		0.79		14.59 x 10.09	147.21	4.96	
Acer	<a href="#">Aspire R15 (R5-571TG-51A3)</a>		0.79		14.59 x 10.09	147.21	4.96	
Acer	<a href="#">Spin 5 (SP515-51GN-807G)</a>		0.7		15.02 x 10.16	152.6	4.85	



Brand	Model	Thickness		Dimensions		Total area (in <sup>2</sup> )	Weight	
		mm	inches				lbs.	kg
Acer	<a href="#">Spin 3 (SP315-51-34CS)</a> <a href="#">(SP315-51-508J)</a> <a href="#">(SP315-51-53C7)</a> <a href="#">(SP315-51-599E)</a> <a href="#">(SP315-51-37UY)</a> <a href="#">(SP315-51-579M)</a> <a href="#">(SP315-51-757C)</a> <a href="#">(SP315-51-37E7)</a> <a href="#">(SP315-51-79NT)</a> <a href="#">(SP315-51-73UG)</a>		0.89		15.02 x 9.88	148.39	4.74	
ASUS	<a href="#">VivoBook Flip 15 (TP510UA)</a>		0.74		14.4 x 9.7	139.68	4.1	
ASUS	<a href="#">Q524UQ</a>		0.86		14.95 x 10	149.5	5.07	
ASUS	<a href="#">Q534UX</a>		0.86		14.96 x 10	149.5	5.07	
ASUS	<a href="#">Q504UA</a>		0.7		15 x 10	150	5.07	
HP	<a href="#">Envy x360 Convertible Laptop - 15t</a>		0.77		14.16 x 9.8	138.76	4.75	
HP	<a href="#">Envy x360 Convertible Laptop - 15t</a>		0.74		14.96 x 9.84	147.2	4.79	
HP	<a href="#">Envy x360 Convertible Laptop - 15t (bp051nr)</a>		0.77		14.16 x 9.8	138.76	4.75	
HP	<a href="#">Envy x360 Convertible Laptop - 15 (bp152nr)</a>		0.77		14.16 x 9.8	138.76	4.75	
HP	<a href="#">Spectre x360 Convertible Laptop - 15t</a>		0.7		14 x 9.88	138.32	4.42	

Brand	Model	Thickness		Dimensions		Total area (in <sup>2</sup> )	Weight	
		mm	inches				lbs.	kg
HP	<a href="#">Spectre x360 Convertible Laptop - 15 (bl152nr)</a>		0.7		14 x 9.88	138.32	4.42	
Lenovo	<a href="#">IdeaPad Flex 4</a>		0.84		14.88 x 9.96	148.2	4.58	
Lenovo	<a href="#">IdeaPad Flex 5</a>		0.8		14.3 x 9.8	140.14	4.4	
Lenovo	<a href="#">Yoga 720</a>		0.75		14.3 x 9.5	135.85	4.4	
Microsoft	<a href="#">Surface Book 2</a>		0.568 - 0.90		13.5 x 9.87	133.25	4.2	
Samsung	<a href="#">Notebook 7 spin (NP740U5M-X02US)</a>		0.78		14.74 x 10.11	149.02	5	
Samsung	<a href="#">Notebook 7 spin (NP740U5M-X01US)</a>		0.78		14.74 x 10.11	149.02	5	
Samsung	<a href="#">Notebook 7 spin (NP740U5L-Y03US)</a>		0.78		14.74 x 10.11	149.02	5	
Samsung	<a href="#">Notebook 9 Pro (NP940Z5L-X01US)</a>		0.7		14.72 x 9.83	144.69	4.45	
Samsung	<a href="#">Notebook 9 Pro (NP940X5M-X01US)</a>		0.67		13.67 x 9.41	128.63	3.79	
Samsung	<a href="#">Notebook 9 Pro (NP940X5M-X03US)</a>		0.67		13.66 x 9.41	128.54	3.8	

Figure 1: Dimensional information. All links and data current as of 12/13/2017.

Brand	Model	Processor	Graphics card
Dell	<a href="#">XPS 15 2-in-1</a>	8th Gen Intel® Quad Core™ i7-8705G processor with Radeon™ RX Vega M 870 graphics (8MB cache, up to 4.1GHz)	Radeon RX Vega M 870 graphics
Acer	<a href="#">Nitro 5 Spin (NP515-51-56DL)</a>	Intel Core i5-8250U	NVIDIA GeForce GTX 1050
Acer	<a href="#">Nitro 5 Spin (NP515-51-80XS)</a>	Intel Core i5-8550U	NVIDIA GeForce GTX 1050
Acer	<a href="#">Aspire R15 (R5-571TG-78G8)</a>	Intel Core i7-7500U	NVIDIA GeForce 940MX
Acer	<a href="#">Aspire R15 (R5-571TG-7229)</a>	Intel Core i7-7500U	NVIDIA GeForce 940MX
Acer	<a href="#">Aspire R15 (R5-571TG-57YD)</a>	Intel Core i5-7200U	NVIDIA GeForce 940MX
Acer	<a href="#">Aspire R15 (R5-571TG-51A3)</a>	Intel Core i5-7200U	NVIDIA GeForce 940MX
Acer	<a href="#">Spin 5 (SP515-51GN-807G)</a>	Intel Core i7-8550U	NVIDIA GeForce GTX 1050
ASUS	<a href="#">Q524UQ</a>	Intel Core i7-7500U	NVIDIA GeForce 940MX
ASUS	<a href="#">Q534UX</a>	Intel Core i7-7500U	NVIDIA GeForce GTX 950M
HP	<a href="#">Envy x360 Convertible Laptop - 15t</a>	Intel Core i7-8550U	NVIDIA GeForce MX150
HP	<a href="#">Spectre x360 Convertible Laptop - 15t</a>	Intel Core i7-8550U	NVIDIA GeForce MX150
HP	<a href="#">Spectre x360 Convertible Laptop - 15 (bl152nr)</a>	Intel Core i7-8550U	NVIDIA GeForce MX150
Lenovo	<a href="#">IdeaPad Flex 4</a>	Intel Core i7-7500U	AMD Radeon R7 M460
Lenovo	<a href="#">IdeaPad Flex 5</a>	Intel Core i7-7500U	NVIDIA GeForce GT 940MX

Brand	Model	Processor	Graphics card
Lenovo	<a href="#">Yoga 720</a>	Intel Core i7-7700HQ	NVIDIA GeForce GTX 1050
Microsoft	<a href="#">Surface Book 2</a>	Intel Core i7-8650U	NVIDIA GeForce GTX 1060
Samsung	<a href="#">Notebook 7 spin (NP740U5M-X02US)</a>	Intel Core i7-7500U	NVIDIA GeForce 940MX
Samsung	<a href="#">Notebook 7 spin (NP740U5M-X01US)</a>	Intel Core i7-7500U	NVIDIA GeForce 940MX
Samsung	<a href="#">Notebook 7 spin (NP740U5L-Y03US)</a>	Intel Core i7-6500U	NVIDIA GeForce 940MX
Samsung	<a href="#">Notebook 9 Pro (NP940Z5L-X01US)</a>	Intel Core i7-6700HQ	NVIDIA GeForce GTX 950M
Samsung	<a href="#">Notebook 9 Pro (NP940X5M-X01US)</a>	Intel Core i7-7500U	AMD Radeon 540
Samsung	<a href="#">Notebook 9 Pro (NP940X5M-X03US)</a>	Intel Core i5-7200U	AMD Radeon 540

Figure 2: Information on processors and graphics cards for the performance-class laptops. All links and data current as of 12/13/17.

## ABOUT PRINCIPLED TECHNOLOGIES



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