

COMPARISON OF 13-INCH CLASS NOTEBOOKS

For comparison to the Dell™ XPS™ 13 notebook options, we identified 13-inch-class notebooks that are currently shipping from the following vendors: Acer®, Apple®, ASUS®, Fujitsu®, HP, Lenovo®, Samsung®, Sony®, 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 01/08/2015 (click on model names to follow them) and report only what each vendor disclosed on their sites. Dell provided us with information about the two Dell XPS 13 notebooks.

According to vendor-provided data, compared to notebooks we gathered information about in Table 1, the new Dell XPS 13:

- has the smallest footprint¹ of the notebooks
- has a 17.5 percent smaller footprint than the 13-inch Apple MacBook Air
- has a 6 percent smaller footprint than the previous-generation XPS 13

Brand	Model	Thinness		Dimensions		Total area (sq. inches)	Weight	
		mm	inches	mm	inches		Lbs.	Kg.
Dell	New XPS 13	9–15	0.33–0.6	304 × 200	11.98 × 7.88	94.4024	2.60	1.18
Dell	XPS 13	6–18	0.24–0.71	316 × 205	12.4 × 8.1	100.44	2.99	1.36
Acer	Aspire® S7-392-6425		0.51		12.7 × 8.8	111.76	2.87	
Acer	Aspire R 13 (R7-371T)	17.95	0.70		13.5 × 9.1	122.85	3.31	1.50
Acer	Aspire V (V3-371-52GP)		0.77		12.9 × 9	116.1	3.31	
Apple	MacBook Air® 13	3–17	0.11–0.68	325 × 227	12.80 × 8.94	114.432	2.96	1.35
Apple	MacBook Pro® 13	18	0.71	314 × 219	12.35 × 8.62	106.457	3.46	1.57
ASUS	Zenbook UX301LA	15.5		325 × 226				1.40
ASUS	U36SG	19		328 × 238				<ul style="list-style-type: none"> • 1.44 • (1.66 w/ 8 cell battery)
ASUS	U31SD	25.4–28.5		328 × 233				<ul style="list-style-type: none"> • 1.78

¹ Used in this report, the term footprint refers to the total surface area of the notebook.



Brand	Model	Thickness		Dimensions		Total area (sq. inches)	Weight	
		mm	inches	mm	inches		Lbs.	Kg.
								• (No weight given for 8 cell)
ASUS	Transformer Book TX300		<ul style="list-style-type: none"> • 0.16-0.43 (tablet) • 0.12-0.51 (dock) 		<ul style="list-style-type: none"> • 13.4 x 8.4 (tablet) • 13.4 x 8.6 (dock) 	115.24	4.20	
ASUS	Transformer Book Flip TP300LA		0.86		12.8 x 9.10	116.48	3.80	
ASUS	UX303LN		0.70-0.80		12.7 x 8.8	111.76	3.20	
Fujitsu	LIFEBOOK® E734		0.78–1.06		12.64 x 8.98	113.5072	<ul style="list-style-type: none"> • 3.73 (w/ Weight Saver) • 3.95 (w/ optical drive) • 4.17 (w/ 2nd battery) 	
Fujitsu	LIFEBOOK E733		0.81–1.06		12.64 x 8.98	113.5072	<ul style="list-style-type: none"> • 3.62 (w/modular weight saver) • 3.86 (w/ modular optical drive) • 4.06 (w/ 2nd modular battery) 	
Fujitsu	LIFEBOOK S762	24.60–31.75	0.97–1.25	321.10 x 228.30	12.64 x 8.99	113.6336	<ul style="list-style-type: none"> • 3.38 (w/weight saver) • 3.65 (w/ optical drive) 	<ul style="list-style-type: none"> • 1.53 (w/ weight saver) • 1.66 (w/ optical drive)

Brand	Model	Thickness		Dimensions		Total area (sq. inches)	Weight	
		mm	inches	mm	inches		Lbs.	Kg.
Fujitsu	LIFEBOOK T902		0.098-1.28		13.15 x 9.60	126.24	<ul style="list-style-type: none"> • 4.69 (w/ weight saver) • 5.05 (w/ optical drive) • 5.31 (w/ bay battery) 	
Fujitsu	LIFEBOOK T904		0.67-0.76		12.64 x 9.52	120.3328	<ul style="list-style-type: none"> • Weight may vary depending on actual configuration (including battery pack) 	
HP	ProBook 430 G2	<ul style="list-style-type: none"> • 20-21 (front to rear, non-touch) • 21.3-22.5 (front to rear, touch) 	<ul style="list-style-type: none"> • 0.79-0.83 (front to rear, non-touch) • 0.84-0.89 (front to rear, touch) 	<ul style="list-style-type: none"> • 326 x 233.5 (front to rear, non-touch) • 326 x 234 (front to rear, touch) 	<ul style="list-style-type: none"> • 12.83 x 9.19 (front to rear, non-touch) • 12.83 x 9.21 (front to rear, touch) 	117.9077 (non-touch)	3.31	1.5
HP	Split x2 - 13		<ul style="list-style-type: none"> • 0.5 (tablet) • 0.4 (tablet and base) 		<ul style="list-style-type: none"> • 12.9 x 10 (tablet and base) • 12.9 x 8.6 (tablet) 	<ul style="list-style-type: none"> • 129 (tablet and base) • 110.94 (tablet) 	<ul style="list-style-type: none"> • 4.39 (tablet and base) • 2.45 (tablet) 	
HP	Pavilion x360		0.88		13.12 x 9	118.08	3.97	
HP	Pavilion x2		<ul style="list-style-type: none"> • 0.53 (tablet) • 0.36 (base) 		<ul style="list-style-type: none"> • 12.9 x 8.56 (tablet) • 12.9 x 10.01 (base) 	<ul style="list-style-type: none"> • 110.424 (tablet) • 129.129 (base) 	<ul style="list-style-type: none"> • 2.45 (tablet) • 1.94 (base) 	
HP	Stream - 13		0.81		13.12 x 9.02	118.3424	3.86	

Brand	Model	Thickness		Dimensions		Total area (sq. inches)	Weight	
		mm	inches	mm	inches		Lbs.	Kg.
HP	Envy x2 -13t							
Lenovo	IdeaPad™ Yoga™ 13		0.67		13.1 × 8.9	116.59	3.3	
Lenovo	Yoga™ 2 Pro		0.61		12.99 × 8.66	112.4934	3.06	
Lenovo	Yoga 3 Pro	12.8	0.5	330 x 228	12.99 x 8.98	117	2.62	1.19
Lenovo	Yoga 2 13		0.68		13 × 8.71	113.23	<ul style="list-style-type: none"> • 3.43 • 3.65 w/hybrid hard drive 	
Samsung	Samsung 9-series NP900X3D-A03US		0.51		12.3 × 8.6	105.78	2.49	
Samsung	ATIV Book 9 Plus NP940X3G-K04US		0.54		12.58 × 8.78	110.4524	3.06	
Samsung	ATIV Book 9 Lite NP905S3G-K02US		0.67		12.76 × 8.82	112.5432	3.17	
Samsung	ATIV Book 7 NP740U3E-K01UB		0.74		12.76 × 8.82	112.5432	3.64	
Sony	VAIO® Flip PC SVF13N23CX		0.56–0.70		12.81 × 8.80	112.728	2.89	
Sony	VAIO Pro Ultrabook™ SVP1321BPXB		0.68		12.68 × 8.50	107.78	2.34	
Sony	VAIO Duo 13 SVD13223CX		0.77		13.00 × 8.27	107.51	2.93	
Toshiba	Portege® R30		0.71–1.04		12.44 × 8.94	111.2136	<ul style="list-style-type: none"> • 3.37 • No weight given for 9-cell 	
Toshiba	KIRAbook™ 13		0.70		12.44 × 8.15	101.386	<ul style="list-style-type: none"> • 2.97 • Described as starting point depending on configuration, but no other 	

Brand	Model	Thickness		Dimensions		Total area (sq. inches)	Weight	
		mm	inches	mm	inches		Lbs.	Kg.
							battery options listed	
Toshiba	Satellite Click W35Dt-AST2N01						<ul style="list-style-type: none"> • 2.81 (tablet only) • 4.84 (w/keyboard dock) 	
Toshiba	Satellite Click 2 L30W-BST2N23						<ul style="list-style-type: none"> • 4.85 (w/keyboard dock) 	
Toshiba	Portege Z30-AST3NX3 Ultrabook						2.60	

Figure 1: Dimension information we gathered for the notebooks. All links and data current as of 01/08/15.

Figure 2 details the available screen information for the systems we researched. According to vendor-provided data, the new Dell XPS 13 has a display with up to 4.4 times as many pixels as the 13-inch Apple MacBook Air.

Brand	Model	Screen resolution		Pixels
		Vertical	Horizontal	
Dell	New XPS 13	3,200	1,800	5,760,000
Dell	XPS 13	1,920	1,080	2,073,600
Acer	Aspire S7-392-6425	2,560	1,440	3,686,400
Acer	Aspire R 13 (R7-371T)	1,920	1,080	2,073,600
Acer	Aspire V (V3-371-52GP)	1,366	768	1,049,088
Apple	MacBook Air 13	1,440	900	1,296,000
Apple	MacBook Pro 13	2,560	1,600	4,096,000
ASUS	Zenbook UX301LA	2,560	1,440	3,686,400
ASUS	U36SG	1,366	768	1,049,088
ASUS	U31SD	1,366	768	1,049,088
ASUS	Transformer Book TX300	1,920	1,080	2,073,600

Brand	Model	Screen resolution		Pixels
		Vertical	Horizontal	
ASUS	Transformer Book Flip TP300LA	1,366	768	1,049,088
ASUS	UX303LN	3,200	1,800	5,760,000
Fujitsu	Lifebook E734	2,560	1,600	4,096,000
Fujitsu	Lifebook E733	1,366	768	1,049,088
Fujitsu	Lifebook S762	1,366	768	1,049,088
Fujitsu	LIFEBOOK T902	1,600	900	1,440,000
Fujitsu	LIFEBOOK T904	2,560	1,440	3,686,400
HP	ProBook 430 G2	1,366	768	1,049,088
HP	Split x2 - 13	1,366	768	1,049,088
HP	Pavilion x360	1,366	768	1,049,088
HP	Pavilion x2	1,366	768	1,049,088
HP	Stream - 13	1,366	768	1,049,088
HP	Envy x2 -13t	1,920	1,080	2,073,600
Lenovo	IdeaPad Yoga 13	1,600	900	1,440,000
Lenovo	Yoga 2 Pro	3,200	1,800	5,760,000
Lenovo	Yoga 3 Pro	3,200	1,800	5,760,000
Lenovo	Yoga 2 13	1,920	1,080	2,073,600
Samsung	Samsung 9-series NP900X3D-A03US	1,600	900	1,440,000
Samsung	ATIV Book 9 Plus NP940X3G-K04US	3,200	1,800	5,760,000
Samsung	ATIV Book 9 Lite NP905S3G-K02US	1,366	768	1,049,088
Samsung	ATIV Book 7 NP740U3E-K01UB	1,920	1,080	2,073,600
Sony	VAIO Flip PC SVF13N23CX	1,920	1,080	2,073,600
Sony	VAIO Pro Ultrabook SVP1321BPXB	1,920	1,080	2,073,600
Sony	VAIO Duo 13 SVD13223CX	1,920	1,080	2,073,600
Toshiba	Portege R30	1,366	768	1,049,088

Brand	Model	Screen resolution		Pixels
		Vertical	Horizontal	
Toshiba	KIRAbok 13	2,560	1,440	3,686,400
Toshiba	Satellite Click W35Dt-AST2N01	1,366	768	1,049,088
Toshiba	Satellite Click 2 L30W-BST2N23	1,366	768	1,049,088
Toshiba	Portege Z30-AST3NX3 Ultrabook	1,366	768	1,049,088

Figure 2: Screen information we gathered about the notebooks. All links and data current as of 01/08/15.

Figure 3 details the available battery information for the systems we researched.

Brand	Model	Battery info
Dell	New XPS 13	<ul style="list-style-type: none"> • Up to 15 hours 22 minutes using BrowsingBench. Tested system equipped with 4GB memory, Intel® HD 5500 graphics, Intel Core™ i5 processor, 128GB SSD, 52 Whr battery, and FHD display. System brightness set to 150-nits (40%) and wireless on. • Up to 14 hours 46 minutes using MobileMark 2014. Tested system equipped with 4GB memory, Intel HD 5500 graphics, Intel Core i5 processor, 128GB SSD, 52 Whr battery, and FHD display. • Up to 13 hours 7 minutes using MobileMark 2012. Tested system equipped with 4GB memory, Intel HD 5500 graphics, Intel Core i5 processor, 128GB SSD, 52 Whr battery, and FHD display. • Up to 12 hours 47 minutes using Microsoft’s Local Video Playback Energy Efficiency battery run down test. Tested system equipped with 4GB memory, Intel HD 5500 graphics, Intel Core i5 processor, 128GB SSD, 52 Whr battery, and FHD display. System brightness set to 200-nits (50%) and wireless on. • Up to 11 hours 7 minutes using BrowsingBench. Tested system equipped with 8GB memory, Intel HD 5500 graphics, Intel Core i5 processor, 256GB SSD, 52 Whr battery, and QHD+ touch display. System brightness set to 150-nits (40%) and wireless on. • Up to 11 hours 20 minutes using MobileMark 2014. Tested system equipped with 8GB memory, Intel HD 5500 graphics, Intel Core i5 processor, 256GB SSD, 52 Whr battery, and QHD+ touch display. • Up to 7 hours 37 minutes using MobileMark 2012. Tested system equipped with 8GB memory, Intel HD 5500 graphics, Intel Core i5 processor, 256GB SSD, 52 Whr battery, and QHD+ touch display.

Brand	Model	Battery info
		<ul style="list-style-type: none"> • Up to 8 hours 10 minutes using Microsoft’s Local Video Playback Energy Efficiency battery run down test. Tested system equipped with 8GB memory, Intel HD 5500 graphics, Intel Core i5 processor, 256GB SSD, 52 Whr battery, and QHD+ touch display. System brightness set to 200-nits (50%) and wireless on. • Up to 11 hours 9 minutes using BrowsingBench. Tested system equipped with 8GB memory, Intel HD 5500 graphics, Intel Core i7 processor, 256GB SSD, 52 Whr battery, and QHD+ touch display. System brightness set to 150-nits (40%) and wireless on. • Up to 10 hours 12 minutes using MobileMark 2014. Intel HD 5500 graphics, Intel Core i7 processor, 256GB SSD, 52 Whr battery, and QHD+ touch display. • Up to 9 hours 10 minutes using MobileMark 2012. Intel HD 5500 graphics, Intel Core i7 processor, 256GB SSD, 52 Whr battery, and QHD+ touch display. • Up to 7 hours 53 minutes using Microsoft’s Local Video Playback Energy Efficiency battery run down test. Intel HD 5500 graphics, Intel Core i7 processor, 256GB SSD, 52 Whr battery, and QHD+ touch display. System brightness set to 200-nits (50%) and wireless on. • Up to 22 hours total battery life when using the Dell Power Companion using BrowsingBench. Tested system equipped with 4GB memory, Intel HD 5500 graphics, Intel Core i5 processor, 128GB SSD, 52 Whr battery, and FHD display. System brightness set to 150-nits (40%) and wireless on.
Dell	XPS 13	<ul style="list-style-type: none"> • Up to 11 hours 17 minutes using BrowsingBench. Tested system equipped with 8GB memory, Intel HD graphics, Intel Core i5 processor, and 128GB SSD. System brightness set to 150-nits and wireless on. • Up to 11 hours 17 minutes using BrowsingBench. Tested system equipped with 8GB memory, Intel HD graphics, Intel Core i7 processor, and 256GB SSD. System brightness set to 150-nits and wireless on. • Up to 9 hours 9 minutes using MobileMark 2012. Tested system equipped with 8GB memory, Intel HD graphics, Intel Core i5 processor, and 128GB SSD. • Up to 9 hours 47 minutes using MobileMark 2012. Tested system equipped with 8GB memory, Intel HD graphics, Intel Core i7 processor, and 256GB SSD. • Up to 9 hours 11 minutes using MobileMark 2012. Tested system equipped with 8GB memory, Intel HD graphics, Intel Core i7 processor, and 256GB SSD.
Acer	Aspire S7-392-6425	<ul style="list-style-type: none"> • Up to 7 hours (no specifics) • 4-cell / Li-Po • mAh: 6,280 • Maximum Power Supply Wattage: 45 W
Acer	Aspire R 13 (R7-371T)	<ul style="list-style-type: none"> • 4-cell Lithium Ion (Li-Ion) • 3220 mAh, 8 Hour

Brand	Model	Battery info
Acer	Aspire V (V3-371-52GP)	<ul style="list-style-type: none"> • 4-cell Lithium Ion (Li-Ion) • 3220 mAh, 7.5 Hour
Apple	MacBook Air 13	<ul style="list-style-type: none"> • Up to 12 hours wireless Web time • Up to 12 hours iTunes Movie Playback • Up to 30 days Standby time • Built-in 54Wh Li-Po battery
Apple	MacBook Pro 13	<ul style="list-style-type: none"> • Up to 9 hours wireless Web time • Up to 9 hours iTunes Movie Playback • Up to 30 days Standby time • Built-in 71.8Wh Li-Po battery
ASUS	Zenbook UX301LA	<ul style="list-style-type: none"> • 6-cell / Polymer • 50.6Wh
ASUS	U36SG	<ul style="list-style-type: none"> • 4-cell • mAh: 3,100 • 44Wh • (8 cells: 5,600 mAh 83 Whrs)
ASUS	U31SD	<ul style="list-style-type: none"> • 6-cell • mAh: 4,400 • 47Wh • (8 cells: 5,600 mAh 83 Whrs)
ASUS	Transformer Book TX300	<ul style="list-style-type: none"> • 2Cells 5000 mAh 5 Whrs Polymer Battery
ASUS	Transformer Book Flip TP300LA	<ul style="list-style-type: none"> • 3Cells 50 Whrs Polymer Battery
ASUS	UX303LN	<ul style="list-style-type: none"> • 3Cells 50 Whrs Polymer Battery
Fujitsu	Lifebook E734	<ul style="list-style-type: none"> • First Battery Options: Li-Ion battery 6-cell, 63 Wh/Li-Ion battery 6-cell, 72Wh • Second Battery (Optional): Li-Ion battery 6-cell, 28 Wh • Up to 13 hours, 10 minutes (with 72Wh main battery, MobileMark 2007, Windows 7, may include muted audio and power saving utility enabled) • Up to 21 hours (with 72Wh main battery + 2nd battery + SSD, MobileMark 2007, Windows 7, may include muted audio and power saving utility enabled)
Fujitsu	Lifebook E733	<ul style="list-style-type: none"> • First Battery Options: Li-Ion battery 6-cell, 63Wh/Li-Ion battery 6-cell, 72Wh

Brand	Model	Battery info
		<ul style="list-style-type: none"> • Second Battery (Optional): Li-Ion battery 6-cell, 28 Wh • Up to 10 hours, 40 minutes (with 72Wh main battery, MobileMark 2007, Windows 7, may include muted audio) • Up to 16 hours, 20 minutes (with 72 Whr main battery + 2nd battery + SSD, MobileMark 2007, Windows 7, may include muted audio)
Fujitsu	Lifebook S762	<ul style="list-style-type: none"> • Standard Li-Ion battery, 6-cell 67Wh or high capacity 72Wh, or, Optional Modular Bay battery: Li-Ion battery, rechargeable, 6-cell, 28Wh • Up to 10 hours, 30 minutes (67Wh battery, MobileMark 2007, Windows 7, battery life setting enabled) • Up to 11 hours, 30 minutes (72Wh battery, MobileMark 2007, Windows 7, battery life setting enabled) • Up to 14 hours, 45 minutes (67Wh battery, + bay battery, MobileMark 2007, Windows 7, battery life setting enabled) • Up to 15 hours, 45 minutes (72Wh battery, + bay battery, MobileMark 2007, Windows 7, battery life setting enabled)
Fujitsu	LIFEBOOK T902	<ul style="list-style-type: none"> • Main battery (72Wh) = Up to 8 hours and 50 mins • Main battery plus Bay battery (28 Wh) = up to up 12 hours • Battery life tested using MobileMark 2007 and Windows 7 operating system, and may include audio muted.
Fujitsu	LIFEBOOK T904	<ul style="list-style-type: none"> • Li-Ion battery 4-cell, 3150 mAh, 45 Wh • Battery life up to 9.5 h • Battery life tested using MobileMark 2007 and Windows® 7 operating system, and may include audio muted and power saving utility enabled. • Battery features: Rapid Charge • Battery Charging time ~ 120min
HP	ProBook 430 G2	<ul style="list-style-type: none"> • 4-cell, 44 WHr Li-ion
HP	Split x2 - 13	<ul style="list-style-type: none"> • 2-cell • 30.7 WHr Li-ion polymer • Up to 5 hours and 15 minutes
HP	Pavilion x360	<ul style="list-style-type: none"> • 3-cell • 43.5 WHr prismatic • Up to 6 hours and 15 minutes
HP	Pavilion x2	<ul style="list-style-type: none"> • 2-cell • 30.7 Wh Li-ion polymer

Brand	Model	Battery info
		<ul style="list-style-type: none"> Up to 5 hours and 15 minutes
HP	Stream - 13	<ul style="list-style-type: none"> 3-cell 36 Wh Li-ion Up to 7 hours and 30 minutes
HP	Envy x2 -13t	<ul style="list-style-type: none"> 2-cell 33Whr Lithium-ion Battery
Lenovo	IdeaPad Yoga 13	<ul style="list-style-type: none"> 8 hours (no specifics)
Lenovo	Yoga 2 Pro	<ul style="list-style-type: none"> Up to 9 hours Windows 8 idle @ 150 nits Up to 6 hours FHD playback @ 150 nits
Lenovo	Yoga 3 Pro	<ul style="list-style-type: none"> Up to 7.2 hours 4 Cell 44.8 Watt Hour Li-Polymer
Lenovo	Yoga 2 13	<ul style="list-style-type: none"> Up to 8 hours (no specifics)
Samsung	Samsung 9-series NP900X3D-A03US	<ul style="list-style-type: none"> Up to 9 hours MobileMark 2007 testing running Windows 7 4-cell / Li-Po 62 Wh
Samsung	ATIV Book 9 Plus NP940X3G-K04US	<ul style="list-style-type: none"> Up to 7 hours (MobileMark 2012) 4-cell / Li-Po mAh: 7300 55.5Wh
Samsung	ATIV Book 9 Lite NP905S3G-K02US	<ul style="list-style-type: none"> Up to 8.5 hours (MobileMark 2012) 2-cell / Li-Po mAh: 5,880 30Wh
Samsung	ATIV Book 7 NP740U3E-K01UB	<ul style="list-style-type: none"> Up to 6.7 hours (MobileMark 2012) 4-cell / Li-Po mAh: 3,780 57Wh
Sony	VAIO Flip PC SVF13N23CX	<ul style="list-style-type: none"> Internal Li-Po battery (VGP-BPS41 3,140mAh) Up to 6 hours, 30 minutes (Based on Sony Engineering testing)
Sony	VAIO Pro Ultrabook SVP1321BPXB	<ul style="list-style-type: none"> Internal Li-Po battery (VGP-BPS38 4,740mAh) Up to 6 hours, 30 minutes (Based on Sony Engineering testing)

Brand	Model	Battery info
Sony	VAIO Duo 13 SVD13223CX	<ul style="list-style-type: none"> • Internal Li-Po battery (VGP-BPS36 6,320mAh) • Up to 10 hours (Based on Sony Engineering testing)
Toshiba	Portege R30	<ul style="list-style-type: none"> • 6-cell / Li-Ion • 66Wh • Up to 8 hours, 30 minutes (MobileMark Productivity 2012, Core i5-4200M, Windows 8.1, 6-cell battery) • Up 9 hours, 10 minutes (MobileMark Productivity 2012, Core i7-4700MQ, Windows 8.1, 6-cell battery) • (9-cell/93Wh Li-Ion battery pack optional)
Toshiba	KIRAbook 13	<ul style="list-style-type: none"> • 4-cell / Li-Po battery pack • 52Wh • Up 7 hours, 42 minutes (MobileMark Productivity 2012, 4 cell battery)
Toshiba	Satellite Click W35Dt-AST2N01	<ul style="list-style-type: none"> • Dual Lithium Ion (23.6Wh, 2-Cell)—*Not user replaceable
Toshiba	Satellite Click 2 L30W-BST2N23	<ul style="list-style-type: none"> • 3 cell/43 Wh Lithium Ion battery pack (not user replaceable) • 3 cell battery: up to 8.11 hours
Toshiba	Portege Z30-AST3NX3 Ultrabook	<ul style="list-style-type: none"> • Li-Ion (52Wh, 4-Cell)--not user replaceable

Figure 3: Battery information we gathered about the notebooks. All links and data current as of 01/08/15.

ABOUT PRINCIPLED TECHNOLOGIES



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

We provide industry-leading technology assessment and fact-based marketing services. We bring to every assignment extensive experience with and expertise in all aspects of technology testing and analysis, from researching new technologies, to developing new methodologies, to testing with existing and new tools.

When the assessment is complete, we know how to present the results to a broad range of target audiences. We provide our clients with the materials they need, from market-focused data to use in their own collateral to custom sales aids, such as test reports, performance assessments, and white papers. Every document reflects the results of our trusted independent analysis.

We provide customized services that focus on our clients' individual requirements. Whether the technology involves hardware, software, Web sites, or services, we offer the experience, expertise, and tools to help our clients assess how it will fare against its competition, its performance, its market readiness, and its quality and reliability.

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.

Principled Technologies is a registered trademark of Principled Technologies, Inc.
All other product names are the trademarks of their respective owners.

Disclaimer of Warranties; Limitation of Liability:

PRINCIPLED TECHNOLOGIES, INC. HAS MADE REASONABLE EFFORTS TO ENSURE THE ACCURACY AND VALIDITY OF ITS TESTING, HOWEVER, PRINCIPLED TECHNOLOGIES, INC. SPECIFICALLY DISCLAIMS ANY WARRANTY, EXPRESSED OR IMPLIED, RELATING TO THE TEST RESULTS AND ANALYSIS, THEIR ACCURACY, COMPLETENESS OR QUALITY, INCLUDING ANY IMPLIED WARRANTY OF FITNESS FOR ANY PARTICULAR PURPOSE. ALL PERSONS OR ENTITIES RELYING ON THE RESULTS OF ANY TESTING DO SO AT THEIR OWN RISK, AND AGREE THAT PRINCIPLED TECHNOLOGIES, INC., ITS EMPLOYEES AND ITS SUBCONTRACTORS SHALL HAVE NO LIABILITY WHATSOEVER FROM ANY CLAIM OF LOSS OR DAMAGE ON ACCOUNT OF ANY ALLEGED ERROR OR DEFECT IN ANY TESTING PROCEDURE OR RESULT.

IN NO EVENT SHALL PRINCIPLED TECHNOLOGIES, INC. BE LIABLE FOR INDIRECT, SPECIAL, INCIDENTAL, OR CONSEQUENTIAL DAMAGES IN CONNECTION WITH ITS TESTING, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGES. IN NO EVENT SHALL PRINCIPLED TECHNOLOGIES, INC.'S LIABILITY, INCLUDING FOR DIRECT DAMAGES, EXCEED THE AMOUNTS PAID IN CONNECTION WITH PRINCIPLED TECHNOLOGIES, INC.'S TESTING. CUSTOMER'S SOLE AND EXCLUSIVE REMEDIES ARE AS SET FORTH HEREIN.
