

# COMPARISON OF 15-INCH CLASS LAPTOPS

We compared the Dell™ XPS™ 15 with other 15-inch-class laptops. These include devices from Acer®, Aorus®, Apple®, ASUS®, Fujitsu®, HP, Lenovo®, Sager®, Samsung®, and Toshiba®. Figures 1 through 4 compare the systems using publicly available data at each vendor’s respective website. We gathered this data on 04/25/2017 at the links provided.

According to vendor-provided data for these laptops, the Dell XPS 15:

- has the longest battery life of any 15-inch laptop
- is the smallest 15.6-inch laptop<sup>1</sup>
- is the lightest performance-class 15-inch laptop<sup>2</sup>

Brand	Model	Battery info	Battery life claims
Dell	<a href="#">XPS 15</a>	6 cell Lithium ion 97Wh	19.5 hours
Acer	<a href="#">Aspire E (E5-573-35JA)</a> <a href="#">(E5-522-89W6)</a> <a href="#">(E5-522-851P)</a>	4 cell Lithium Ion 2520 mAh	No official claim. No 3rd party claim found.
Acer	<a href="#">Aspire E (E5-574G-75N8)</a>	4 cell Lithium Ion 2520 mAh	No official claim. <a href="#">Newegg</a> claims up to 6 hours.
Acer	<a href="#">Aspire E (E5-575G-57D4)</a>	6 cell Lithium Ion 2800 mAh	No official claim. <a href="#">TeraDataRiver</a> claims 8 hours (Laptop Mag Battery Test).
Acer	<a href="#">Aspire E (E5-575G-562T)</a>	6 cell Lithium Ion 2800 mAh	No official claim. <a href="#">Newegg</a> claims up to 12 hours
Acer	<a href="#">Aspire E (E5-575G-75MD)</a>	6 cell Lithium Ion 2800 mAh	No official claim. <a href="#">Laptop for Programming</a> claims 12 hours.
Acer	<a href="#">Aspire E (E5-553G-1986)</a> <a href="#">(E5-553G-F8EF)</a> <a href="#">(E5-553G-14QY)</a> <a href="#">(E5-553-T5K4)</a>	6 cell Lithium Ion 2800 mAh	No official claim. <a href="#">Cutting-Edge Notebook</a> claims 8 hours 50 minutes.

<sup>1</sup> There are several smaller Samsung Notebook 9 devices, but those notebooks also have a 15-inch screen as opposed to 15.6 inches.

<sup>2</sup> Used in this report, the term “performance-class” refers to having similar processors and similar discrete graphics cards.



Brand	Model	Battery info	Battery life claims
Acer	<a href="#">Aspire E (E5-575G-527J)</a>	6 cell Lithium Ion 2800 mAh	No official claim. <a href="#">Notebook Check</a> claims 7 hours 30 mins WiFi surfing, 12 hours 47 mins while idle.
Acer	<a href="#">Aspire E (E5-575G-33BM)</a>	6 cell Lithium Ion 2800 mAh	No official claim. <a href="#">PC Verge</a> claims 9 hours 45 mins.
Acer	<a href="#">Aspire E (E5-575G-55KK)</a> <a href="#">(E5-575G-728Q)</a>	4-cell Lithium Ion 2800 mAh	No official claim. <a href="#">Newegg</a> claims up to 8 hours.
Acer	<a href="#">Aspire E (E5-575G-52RJ)</a>	4-cell Lithium Ion 2800 mAh	No official claim. No 3rd party claim found.
Acer	<a href="#">Aspire E (E5-575-79EP)</a> <a href="#">(E5-575-53EJ)</a> <a href="#">(E5-575-51GG)</a> <a href="#">(E5-575-5493)</a>	4-cell Lithium Ion 2800 mAh	No official claim. No 3rd party claim found.
Acer	<a href="#">Aspire ES (ES1-512-25TP)</a>	3 cell Lithium Ion 3220 mAh	7 hours
Acer	<a href="#">Aspire E (E5-575T-3678)</a> <a href="#">(E5-575-5253)</a> <a href="#">(E5-575-74LC)</a> <a href="#">(E5-575-53N3)</a> <a href="#">(E5-523-99MC)</a> <a href="#">(E5-523-66ZW)</a> <a href="#">(E5-523-2343)</a> <a href="#">(E5-575-5157)</a> <a href="#">(E5-575-74RC)</a> <a href="#">(E5-575G-57KJ)</a> <a href="#">(E5-575-53C7)</a>	4-cell Lithium Ion 2800 mAh	8 hours

Brand	Model	Battery info	Battery life claims
Acer	<a href="#">Aspire ES</a> <a href="#">(ES1-572-357C)</a> <a href="#">(ES1-572-59E8)</a> <a href="#">(ES1-572-37X2)</a> <a href="#">(ES1-533-C3VD)</a> <a href="#">(ES1-533-C2PE)</a> <a href="#">(ES1-533-C72X)</a> <a href="#">(ES1-533-C55P)</a> <a href="#">(ES1-533-C9D0)</a> <a href="#">(ES1-572-32XC)</a> <a href="#">(ES1-572-33BP)</a> <a href="#">(ES1-572-3729)</a>	4 cell Lithium Ion 3220 mAh	6.5 hours
Acer	<a href="#">Aspire F 15</a> <a href="#">(F5-573-32ZS)</a> <a href="#">(F5-573T-50KY)</a>	6-cell Lithium Ion 2800 mAh	No official claim. No 3rd party claim found.
Acer	<a href="#">Aspire F 15</a> <a href="#">(F5-573-58VX)</a> <a href="#">(F5-573-7630)</a> <a href="#">(F5-573-58SW)</a> <a href="#">(F5-573-501D)</a> <a href="#">(F5-573-55W1)</a>	6-cell Lithium Ion 2800 mAh	Up to 12 hours
Acer	<a href="#">Aspire F 15</a> <a href="#">(F5-573-50JZ)</a> <a href="#">(F5-573-55LV)</a> <a href="#">(F5-573-71FM)</a>	4 cell Lithium Ion 2800 mAh	No official claim. No 3rd party claim found.
Acer	<a href="#">Aspire F 15</a> <a href="#">(F5-573G-7791)</a> <a href="#">(F5-573G-74MV)</a>	4 cell Lithium Ion 2800 mAh	No official claim. No 3rd party claim found.
Acer	<a href="#">Aspire F 15</a> <a href="#">(F5-573G-510L)</a> <a href="#">(F5-573G-77BJ)</a>	6 cell Lithium Ion 2800 mAh	Up to 12 hours
Acer	<a href="#">Aspire V</a> <a href="#">(V3-572-75D2)</a>	6 cell Lithium Ion 5000 mAh	No official claim. <a href="#">BuyDig.com</a> claims 7 hours.

Brand	Model	Battery info	Battery life claims
Acer	<a href="#">Aspire V (V3-572PG-546C)</a>	6 cell Lithium Ion 4700 mAh	No official claim. No 3rd party claims.
Acer	<a href="#">Aspire V (V3-572P-326T)</a>	6 cell Lithium Ion 4700 mAh	No official claim. <a href="#">Laptop Reviews</a> claims up to 7 hours.
Acer	<a href="#">Aspire V 15 (V3-575-50TD)</a>	4 cell Lithium Ion 2500 mAh	5 hours
Acer	<a href="#">Aspire V 15 (V3-575T-71U5)</a> <a href="#">(V3-575-51A0)</a>	4 cell Lithium Ion 2520 mAh	6 hours
Acer	<a href="#">Aspire V 15 (V5-591G-78R9)</a>	6 cell Lithium Ion 5040 mAh	No official claim. No 3rd party claims.
Acer	<a href="#">Aspire V Nitro (VN7-572TG-775T)</a>	3 cell	No official claim. No 3rd party claims.
Acer	<a href="#">Aspire V Nitro (VN7-592G-7015)</a> <a href="#">(VN7-592G-788W)</a>	3-cell 4605 mAh Lithium Ion	5 hours

Brand	Model	Battery info	Battery life claims
Acer	<a href="#">Aspire V Nitro (VN7-593G-76SS)</a> <a href="#">(VN7-593G-73KV)</a> <a href="#">(VN7-593G-70U4)</a>	4-cell 4605 mAh Lithium Ion	6 hours
Acer	<a href="#">Aspire R15 (R5-571T-57Z0)</a> <a href="#">(R5-571TG-78G6)</a>	4-cell 3220 mAh Lithium Ion	9 hours

Brand	Model	Battery info	Battery life claims
Acer	<a href="#">Aspire R15 (R5-571TG-7229)</a>	4-cell 3220 mAh Lithium Ion	9 hours
Acer	<a href="#">Predator 15 (G9-593-77WF)</a> <a href="#">(G9-593-71EH)</a>	8-cell 6000 mAh Lithium Ion	3 hours
Acer	<a href="#">Predator 15 (G9-593-72VT)</a> <a href="#">(G9-593-74WY)</a> <a href="#">(G9-593-73N6)</a>	8-cell 6000 mAh Lithium Ion	3 hours
Acer	<a href="#">Predator 15 (G9-592-74A5)</a>	8-cell 6000 mAh Lithium Ion	7 hours

Brand	Model	Battery info	Battery life claims
Acer	<a href="#">Aspire VX 15 (VX5-591G-75RM)</a> <a href="#">(VX5-591G-7061)</a> <a href="#">(VX5-591G-5652)</a> <a href="#">(VX5-591G-54VG)</a>	3-cell 4605 mAh Lithium Ion	6 hours
Aorus	<a href="#">X5 v6</a>	Li Polymer 94.24Wh	No official claim. <a href="#">Notebook Check</a> claims 4 hours 9 minutes while idle.
Aorus	<a href="#">X5S v5</a>	Li Polymer 73.26Wh	No official claim. <a href="#">Notebook Check</a> claims 5 hours 13 minutes while idle.
Aorus	<a href="#">X5</a>	Li Polymer 73.26Wh	No official claim. <a href="#">Notebook Check</a> claims 2 hours 45 minutes while idle.
Apple	<a href="#">MacBook Pro with Retina Display (2015)</a>	99.5 Whr Lithium-polymer battery	9 hours wireless web; 9 hours iTunes movie playback.
Apple	<a href="#">MacBook Pro</a>	76.0 Whr Lithium-polymer battery	10 hours wireless web; 10 hours iTunes movie playback
ASUS	<a href="#">ROG GL552VW</a>	4 cell 3200 mAh 48 Whrs	No official claim www.google.com= 5 hours
ASUS	<a href="#">ROG GL553VD</a>	4 cell 48 Whrs Li-ion	No official claim. <a href="#">PC Verge</a> claims 4 hours 21 minutes.
ASUS	<a href="#">ROG GL553VE</a>	4 cell 48 Whrs Li-ion	No official claim. <a href="#">Amazon</a> claims 5 hours.
ASUS	<a href="#">ROG GL502VT</a>	4 cell	6 hours web browsing.
ASUS	<a href="#">ROG STRIX GL502VY</a>	4 cell	No official claim. <a href="#">LAPTOP Magazine</a> claims 5 hours 56 minutes.
ASUS	<a href="#">ROG GL502VS</a>	4 cell (62 WHr)	No official claim. <a href="#">Notebook Check</a> claims 3 hours 16 min on WiFi.
ASUS	<a href="#">ROG GL502VM</a>	4 cell	No official claim. <a href="#">Newegg</a> claims up to 5 hours.
ASUS	<a href="#">K501UX</a>	3 cell 48 Whrs	7 hours 21 minutes while viewing 1080p video.
ASUS	<a href="#">F555UA</a>	2 cell 37 Whrs Lithium-Polymer	No official claim. <a href="#">9-to-5 Gadgets</a> claims 4 hours.

Brand	Model	Battery info	Battery life claims
ASUS	<a href="#">X555LA</a>	2 cell 37 Whrs Lithium-Polymer	No official claim. <a href="#">LAPTOP Magazine</a> claims 5 hours 55 minutes.
ASUS	<a href="#">X555YA</a>	2 cell 37 Whrs Lithium-Polymer	No official claim. <a href="#">Newegg</a> claims up to 5 hours.
ASUS	<a href="#">ZenBook Pro UX510UW</a>	48 Whrs	No official claim. <a href="#">Ultrabook Review</a> claims 5 hours 25 min while surfing the web.
ASUS	<a href="#">ZenBook Pro UX501VW</a>	96 Whrs	6 hours Office Productivity 6.2 hours Web Browsing 6 hours Video Playback
Fujitsu	<a href="#">Lifebook E756</a>	Li-Ion battery 6-cell, 5,600/5,800 mAh, 63 Wh Li-Ion battery 6-cell, 6,400/6,700 mAh, 72 Wh Li-Ion battery 6-cell, 7,100 mAh, 77 Wh	8 hours (first battery) MM2014 17 hours 30 minutes (first battery + 2nd battery) MM2014
Fujitsu	<a href="#">Lifebook E556</a>	Li-Ion battery 6-cell, 5,600/5,800 mAh, 63 Wh Li-Ion battery 6-cell, 6,400/6,700 mAh, 72 Wh Li-Ion battery 6-cell, 4,500 mAh, 49 Wh	12 hours MM2014
Fujitsu	<a href="#">Lifebook E557</a>	Main Li-Ion battery 6-cell, 5,800 mAh, 63 Wh High Capacity Li-Ion battery 6-cell, 6,700 mAh, 72 Wh	Up to 13 hours, 10 minutes with HD Display, 500 GB HDD, 63 Wh Up to 11 hours, 20 minutes with FHD Display, 500 GB HDD, 63 Wh Up to 17 hours, 30 minutes with HD Display, 256 GB SSD, 72 Wh Up to 14 hours, 50 minutes with FHD Display, 256 GB SSD, 72 Wh
Fujitsu	<a href="#">Lifebook U757</a>	Li-Ion battery 4-cell, 50 Wh	Up to 11 hours, 20 minutes with HD Display; up to 9 hours, 10 minutes with FHD (non-touch or touchscreen)
HP	<a href="#">15t</a>	4 cell (41 WHr) Lithium-ion Battery	Up to 6 hours



Brand	Model	Battery info	Battery life claims
HP	<a href="#">250 G5</a>	4 cell (41 WHr) Lithium-ion Battery	Up to 8 hours 30 minutes
HP	<a href="#">255 G5</a>	4 cell (41 WHr) Lithium-ion Battery	Up to 7 hours 45 minutes
HP	<a href="#">OMEN 15t</a>	4 cell (63.3 WHr) Lithium-ion Battery	Up to 8 hours and 30 mins
HP	<a href="#">Pavilion 15-au151nr Touch</a>	2 cell (41 WHr) Lithium-ion Battery	Up to 7 hours and 15 mins
HP	<a href="#">Pavilion 15-bc251nr Quad</a>	4 cell (63.3 WHr) Lithium-ion Battery	Up to 9 hours
HP	<a href="#">Pavilion 15t</a>	2 cell (41 WHr) Lithium-ion Battery	Up to 7 hours
HP	<a href="#">Pavilion 15z</a>	2 cell (41 WHr) Lithium-ion Battery	Up to 6 hours 45 minutes
HP	<a href="#">Pavilion 15t Quad</a>	4 cell (63.3 WHr) Lithium-ion Battery	Up to 9 hours
HP	<a href="#">EliteBook 755 G3</a>	3-cell (46 WHr) Long Life	Up to 8 hours
HP	<a href="#">EliteBook 755 G4</a>	3-cell (51 WHr) Long Life	Up to 10 hours 30 minutes
HP	<a href="#">EliteBook 850 G3</a>	3-cell (46 WHr) Long Life	13 hours 15 mins
HP	<a href="#">EliteBook 850 G4</a>	3-cell (51 WHr) Lithium-Ion Battery	Up to 14 hours 15 mins (MM2014)
HP	<a href="#">Envy 15t</a>	3-cell (52 WHr) Lithium-Ion Battery	7 hours
HP	<a href="#">Envy 15-as-151nr</a>	3-cell (52 WHr) Lithium-Ion Battery	Up to 7 hours
HP	<a href="#">Envy 15-as-152nr</a>	3-cell (52 WHr) Lithium-Ion Battery	7 hours 30 mins
HP	<a href="#">ProBook 450 G3</a>	4-Cell (44 WHr) Lithium-Ion Battery 6-cell (55 WHr) Battery Long Life	No official claim. <a href="#">Notebook Check</a> claims 5 hours 37 minutes during video playback, 5 hours 9 minutes while surfing the web.

Brand	Model	Battery info	Battery life claims
HP	<a href="#">ProBook 450 G4</a>	3-cell (48 WHr) Long Life Li-ion	Up to 14 hours and 15 minutes
HP	<a href="#">ProBook 455 G4</a>	3-cell (48 WHr) Long Life Li-ion	No official claim. <a href="#">Specout</a> claims 10 hours.
HP	<a href="#">ProBook 650 G2</a>	3-cell (48 WHr) Long Life Li-ion	No official claim. <a href="#">Notebook Check</a> claims 6 hours 48 minutes while surfing the web.
HP	<a href="#">ProBook 650 G3</a>	3-cell (48 WHr) Long Life	Up to 13 hours 45 mins
HP	<a href="#">ProBook 655 G2</a>	3-cell (48 WHr) Long Life	No official claim. <a href="#">LAPTOP Magazine</a> claims 8 hours 14 minutes.
HP	<a href="#">ProBook 655 G3</a>	3-cell (48 WHr) Long Life	No official claim. No third party claims.
HP	<a href="#">Zbook 15 G3</a>	9-cell (90 WHr) Long Life	No official claim. <a href="#">Notebook Check</a> claims 6 hours 26 minutes while surfing the web.
HP	<a href="#">Zbook 15u G3</a>	3-cell 46 WHr Li-ion prismatic	No official claim. <a href="#">Notebook Check</a> claims 5 hours 12 minutes while surfing the web.
HP	<a href="#">Zbook 15u G4</a>	3-cell 51 WHr Li-ion	No official claim. <a href="#">NothingButSavings</a> claims 10 hours.
HP	<a href="#">Zbook Studio G3</a>	4-cell 64 WHr Li-ion prismatic	No official claim. No 3rd party claims.
Lenovo	<a href="#">Ideapad 110</a>	24WHr	3 Hours
Lenovo	<a href="#">Ideapad 300</a>	4 Cell 32 Watt Hour Li-Cylindrical	Up to 4 hours local video playback.
Lenovo	<a href="#">Ideapad 310</a>	2 Cell 30 Watt Hour Li-Cylindrical	5 Hours
Lenovo	<a href="#">Ideapad 500</a>	4 Cell 32 Watt Hour Li-Cylindrical	Up to 4 hours local video playback.
Lenovo	<a href="#">Ideapad 510</a>	2 Cell 39 Watt Hour Li-Polymer	5 hours
Lenovo	<a href="#">Ideapad 700 (15")</a>	3 Cell (45 WHr)	Up to 4 hours

Brand	Model	Battery info	Battery life claims
Lenovo	<a href="#">Ideapad Y700 15</a>	4 Cell (60 WHr)	No official claim. <a href="#">LAPTOP Magazine</a> claims 4 hours 16 minutes.
Lenovo	<a href="#">Ideapad Y700 Touch</a>	4 Cell 60 WHr	No official claim. <a href="#">PC Magazine</a> claims 7 hours 55 minutes.
Lenovo	<a href="#">Legion Y520</a>	3 Cell 45 Watt Hour Li-Polymer	Up to 4 hours
Lenovo	<a href="#">ThinkPad P50</a>	6 cell 90 Watt Hour Li-Polymer	No official claim. <a href="#">Notebook Check</a> claims 14 hours (Battery Eater Reader's Test).
Lenovo	<a href="#">ThinkPad P50s</a>	ThinkPad Battery 3 cell Li-Polymer (44Whr) Front 3 Cell Li-Ion Battery 23.2WH Rear	10 hours
Lenovo	<a href="#">ThinkPad E570</a>	Li-Ion 4-cell (41WHr)	No official claim. <a href="#">Connection</a> claims 7 hours.
Lenovo	<a href="#">ThinkPad E575</a>	Li-Ion 4-cell (41WHr)	6.5 hours
Lenovo	<a href="#">ThinkPad T560</a>	Integrated Li-Polymer 3-cell (44Wh) Optional: 3-cell (23Wh) or Li-Ion 6-cell (48Wh or 72Wh)	13.2 hours 24 Hours (44 WHr + 72 WHr)
Lenovo	<a href="#">ThinkPad L560</a>	Li-Ion 6-cell (48Wh)	9.5 hours
Sager	<a href="#">NP9152</a>	Removable 8 cell Smart Lithium-Ion battery pack 82Wh	No official claim. <a href="#">Xotic PC</a> claims 2+ hours.
Sager	<a href="#">NP8157</a>	Embedded 4 cells Polymer battery pack 60WH	No official claim. <a href="#">Xotic PC</a> claims 2+ hours.
Sager	<a href="#">NP8156</a>	Embedded 4 cells Polymer battery pack 60WH	No official claim. <a href="#">Tom's Hardware</a> claims 1.6 hours.
Sager	<a href="#">NP8155</a>	Embedded 4 cells Polymer battery pack 60WH	No official claim. <a href="#">Xotic PC</a> claims 2+ hours.
Sager	<a href="#">NP6852</a>	Removable 6 cells Smart Lithium-Ion battery pack 62WH	No official claim. <a href="#">Tom's Hardware</a> claims 1.95 hours.
Sager	<a href="#">NP6850</a>	Removable 6 cells Smart Lithium-Ion battery pack 62WH	No official claim. <a href="#">Xotic PC</a> claims 2+ hours.

Brand	Model	Battery info	Battery life claims
Sager	<a href="#">NP5850</a>	Removable 6 cells Smart Lithium-Ion battery pack 62WH	No official claim. <a href="#">Xotic PC</a> claims 2+ hours.
Sager	<a href="#">NP5855</a>	Removable 6 cells Smart Lithium-Ion battery pack 62WH	No official claim. <a href="#">Xotic PC</a> claims 2+ hours.
Samsung	<a href="#">Notebook 3 NP300E5K-L04US</a>	43Wh	6 hours (MM2014)
Samsung	<a href="#">Notebook 5 NP530E5M-X02US</a>	3 cell Li-ion 43Wh	Up to 8.5 hours (MM2014)
Samsung	<a href="#">Notebook 5 NP500R5L-M02US NP500R5L-M03US</a>	43Wh	7 hours (MM2014)
Samsung	<a href="#">Notebook 9 NP900X5N-X01US</a>	66Wh	No official claim. <a href="#">bitTEKNIK</a> claims up to 15 hours (MM2014).
Samsung	<a href="#">Notebook 9 NP900X5N-L01US</a>	6 cell Li-ion 66 wh	No official claim. <a href="#">B&amp;H</a> claims up to 12 hours.
Samsung	<a href="#">Notebook 9 NP900X5L-K02US</a>	4 cell 39Whr	12 hours (MM2007)
Samsung	<a href="#">Notebook 9 Pro NP940Z5L-X01US</a>	4 cell 57Whr	6.5 hours (MM2014)
Samsung	<a href="#">Notebook Odyssey</a>	43 Wh	Up to 9.5 hours (MM2014)
Toshiba	<a href="#">Tecra C50 C1501 C1503 01301H</a>	Lithium Ion (45Wh, 4-cell)—*Not user replaceable	Up to 9.08 hours
Toshiba	<a href="#">Tecra A50 C1543 03P01G 02J01E</a>	Lithium Ion (45Wh, 4-cell)—*Not user replaceable	Up to 9.08 hours
Toshiba	<a href="#">Tecra Z50 034007 034014</a>	4-cell 45 Wh	8.33 (MM2014)

Figure 1: Battery information. All links and data current as of 04/25/2017.

Brand	Model	Thickness		Dimensions		total area (sq. in.)	Weight	
		mm	inches	mm	inches		lbs	kg
Dell	<a href="#">XPS 15</a>	12.0 - 17.0	0.46 - 0.66	357 x 235	14.06 x 9.25	130.055	4.0	1.80
Acer	<a href="#">Aspire E (E5-573-35JA)</a> <a href="#">(E5-522-89W6)</a> <a href="#">(E5-522-851P)</a>		0.98-1.15		15 x 10.1	151.5	5.29	
Acer	<a href="#">Aspire E (E5-574G-75N8)</a>		0.98-1.15		15 x 10.1	151.5	5.29	
Acer	<a href="#">Aspire E (E5-575G-57D4)</a>		0.94-1.19		15 x 10.2	153	5.27	
Acer	<a href="#">Aspire E (E5-575G-562T)</a>		0.94-1.19		15 x 10.2	153	5.27	
Acer	<a href="#">Aspire E (E5-575G-75MD)</a>		0.94-1.19		15 x 10.2	153	5.27	
Acer	<a href="#">Aspire E (E5-553G-1986)</a> <a href="#">(E5-553G-F8EF)</a> <a href="#">(E5-553G-14QY)</a> <a href="#">(E5-553-T5K4)</a>		0.94-1.19		15 x 10.2	153	5.27	
Acer	<a href="#">Aspire E (E5-575G-527J)</a>		0.94-1.19		15 x 10.2	153	5.27	
Acer	<a href="#">Aspire E (E5-575-33BM)</a>		0.94-1.19		15 x 10.2	153	5.27	
Acer	<a href="#">Aspire E (E5-575G-55KK)</a> <a href="#">(E5-575G-728Q)</a>		0.94-1.19		15 x 10.2	153	4.92	
Acer	<a href="#">Aspire E (E5-575G-52RJ)</a>		0.94-1.19		15 x 10.2	153	4.92	
Acer	<a href="#">Aspire E (E5-575-79EP)</a>		0.94-1.19		15 x 10.2	153	4.92	

Brand	Model	Thickness		Dimensions		total area (sq. in.)	Weight	
		mm	inches	mm	inches		lbs	kg
	<a href="#">(E5-575-53EJ)</a> <a href="#">(E5-575-51GG)</a> <a href="#">(E5-575-5493)</a>							
Acer	<a href="#">Aspire ES (ES1-512-25TP)</a>		1.0-1.03		15 x 10.2	153	5.29	
Acer	<a href="#">Aspire E (E5-575T-3678)</a> <a href="#">(E5-575-5253)</a> <a href="#">(E5-575-74LC)</a> <a href="#">(E5-575-53N3)</a> <a href="#">(E5-523-99MC)</a> <a href="#">(E5-523-66ZW)</a> <a href="#">(E5-523-2343)</a> <a href="#">(E5-575-5157)</a> <a href="#">(E5-575-74RC)</a> <a href="#">(E5-575G-57KJ)</a> <a href="#">(E5-575-53C7)</a>		0.94-1.19		15 x 10.2	153	4.92	
Acer	<a href="#">Aspire ES (ES1-572-357C)</a> <a href="#">(ES1-572-59E8)</a> <a href="#">(ES1-572-37X2)</a> <a href="#">(ES1-533-C3VD)</a> <a href="#">(ES1-533-C2PE)</a> <a href="#">(ES1-533-C72X)</a> <a href="#">(ES1-533-C55P)</a> <a href="#">(ES1-533-C9D0)</a> <a href="#">(ES1-572-32XC)</a> <a href="#">(ES1-572-33BP)</a> <a href="#">(ES1-572-3729)</a>		0.97		15 x 10.2	153	5.29	
Acer	<a href="#">Aspire F 15 (F5-573-32ZS)</a> <a href="#">(F5-573T-50KY)</a>		0.91-1.12		15 x 10.2	153	5.29	

Brand	Model	Thickness		Dimensions		total area (sq. in.)	Weight	
		mm	inches	mm	inches		lbs	kg
Acer	<a href="#">Aspire F 15 (F5-573-58VX)</a> <a href="#">(F5-573-7630)</a> <a href="#">(F5-573-58SW)</a> <a href="#">(F5-573-501D)</a> <a href="#">(F5-573-55W1)</a>		0.91-1.12		15 x 10.2	153	5.29	
Acer	<a href="#">Aspire F 15 (F5-573-50JZ)</a> <a href="#">(F5-573-55LV)</a> <a href="#">(F5-573-71FM)</a>		0.91-1.12		15 x 10.2	153	5.07	
Acer	<a href="#">Aspire F 15 (F5-573G-7791)</a> <a href="#">(F5-573G-74MV)</a>		0.91-1.12		15 x 10.2	153	5.07	
Acer	<a href="#">Aspire F 15 (F5-573G-510L)</a> <a href="#">(F5-573G-77BJ)</a>		0.91-1.12		15 x 10.2	153	5.29	
Acer	<a href="#">Aspire V (V3-572-75D2)</a>		1 - 1.19		15 x 10.1	151.5	5.62	
Acer	<a href="#">Aspire V (V3-572PG-546C)</a>		1.04 - 1.24		15 x 10.1	151.5	6.06	
Acer	<a href="#">Aspire V (V3-572P-326T)</a>		1.04-1.24		15 x 10.1	151.5	6.06	
Acer	<a href="#">Aspire V 15 (V3-575-50TD)</a>		0.94-1.12		15 x 10.2	153	5.29	
Acer	<a href="#">Aspire V 15 (V3-575T-71U5)</a> <a href="#">(V3-575-51A0)</a>		0.94-1.12		15 x 10.2	153	5.29	
Acer	<a href="#">Aspire V 15 (V5-591G-78R9)</a>		1.08-1.19		15 x 10.2	153	5.29	
Acer	<a href="#">Aspire V Nitro (VN7-572TG-775T)</a>		1.02		15.4 x 10.3	158.6	5.29	

Brand	Model	Thickness		Dimensions		total area (sq. in.)	Weight	
		mm	inches	mm	inches		lbs	kg
Acer	<a href="#">Aspire V Nitro (VN7-592G-7015)</a> <a href="#">(VN7-592G-788W)</a>		0.9		15.4 x 10.3	158.6	5.07	
Acer	<a href="#">Aspire V Nitro (VN7-593G-76SS)</a> <a href="#">(VN7-593G-73KV)</a> <a href="#">(VN7-593G-70U4)</a>		0.89-0.98		15.4 x 10.5	161.7	5.73	
Acer	<a href="#">Aspire R15 (R5-571T-57Z0)</a> <a href="#">(R5-571TG-78G6)</a>		0.79		14.6 x 10.1	147.4	5.29	
Acer	<a href="#">Aspire R15 (R5-571TG-7229)</a>		0.79		14.6 x 10.1	147.4	4.96	
Acer	<a href="#">Predator 15 (G9-593-77WF)</a> <a href="#">(G9-593-71EH)</a>		1.52		15.4 x 11.8	181.7	8.16	
Acer	<a href="#">Predator 15 (G9-593-72VT)</a> <a href="#">(G9-593-74WY)</a> <a href="#">(G9-593-73N6)</a>		1.52		15.4 x 11.8	181.7	8.16	
Acer	<a href="#">Predator 15 (G9-592-74A5)</a>		1.52		15.4 x 11.8	181.7	7.94	
Acer	<a href="#">Aspire VX 15 (VX5-591G-75RM)</a> <a href="#">(VX5-591G-7061)</a> <a href="#">(VX5-591G-5652)</a> <a href="#">(VX5-591G-54VG)</a>		1.10-1.14		15.3 x 10.5	160.6	5.51	
Aorus	<a href="#">X5 v6</a>		0.9		15.4 x 10.7	164.8	5.51	
Aorus	<a href="#">X5S v5</a>		0.9		15.4 x 10.7	164.8	5.51	
Aorus	<a href="#">X5</a>		0.9		15.4 x 10.7	164.8	5.51	



Brand	Model	Thickness		Dimensions		total area (sq. in.)	Weight	
		mm	inches	mm	inches		lbs	kg
Apple	<a href="#">MacBook Pro with Retina Display (2015)</a>	18	0.71	358.9 x 247.1	14.13 x 9.73	137.48	4.49	2.04
Apple	<a href="#">MacBook Pro</a>	15.5	0.61	349.3 x 240.7	13.75 x 9.48	130.4	4.02	1.83
ASUS	<a href="#">ROG GL552VW</a>		1.29-1.37		15.2 x 10.1	153.52	5.6	
ASUS	<a href="#">ROG GL553VD</a>		1.18		15.07 x 10.03	151.1	5.51	
ASUS	<a href="#">ROG GL553VE</a>		0.8		15.07 x 10.03	151.1	5.51	
ASUS	<a href="#">ROG GL502VT</a>		0.92		14.35 x 10.47	150.2	4.4	
ASUS	<a href="#">ROG STRIX GL502VY</a>		1.18		15.35 x 10.47	160.7	4.9	
ASUS	<a href="#">ROG GL502VS</a>		1.18		15.35 x 10.47	160.7	5.15	
ASUS	<a href="#">ROG GL502VM</a>		0.92		15.35 x 10.47	160.7	4.8	
ASUS	<a href="#">K501UX</a>		0.85		15.03 x 10.03	150.7	4.4	
ASUS	<a href="#">F555UA</a>		1		15.0 x 10.1	151.5	5.07	
ASUS	<a href="#">X555LA</a>		1		15 x 10.1	151.5	5	
ASUS	<a href="#">X555YA</a>		1.01		15.03 x 10.07	151.4	4.85	
ASUS	<a href="#">ZenBook Pro UX510UW</a>		0.78		15.03 x 10.03	150.7	4.4	
ASUS	<a href="#">ZenBook Pro UX501VW</a>		0.81-0.84		15.07 x 10.04	151.3	4.54	
Fujitsu	<a href="#">Lifebook E756</a>		0.78-1.06		14.72 x 9.84	144.8	4.2	
Fujitsu	<a href="#">Lifebook E556</a>		0.95-1.23		14.72 x 9.84	144.8	4.9	
Fujitsu	<a href="#">Lifebook E557</a>		0.95-1.24		14.7 x 9.8	144.1	4.9	
Fujitsu	<a href="#">Lifebook U757</a>		0.76		14.88 x 10.08	150	3.7	
HP	<a href="#">15t</a>		0.95		15.12 x 10.02	151.5	4.73	
HP	<a href="#">250 G5</a>		0.96		15.13 x 10.02	151.3	4.32	
HP	<a href="#">255 G5</a>		0.96		15.13 x 10.02	151.3	4.32	
HP	<a href="#">OMEN 15t</a>		0.96		15.06 x 9.94	143.9	4.85	

Brand	Model	Thickness		Dimensions		total area (sq. in.)	Weight	
		mm	inches	mm	inches		lbs	kg
HP	<a href="#">Pavilion 15-au151nr Touch</a>		0.89		15.06 x 9.56	143.9	4.5	
HP	<a href="#">Pavilion 15-bc251nr Quad</a>		0.96		15.06 x 9.94	149.6	4.85	
HP	<a href="#">Pavilion 15t</a>		0.89		15.06 x 9.56	143.9	4.55	
HP	<a href="#">Pavilion 15z</a>		0.88		15.03 x 9.52	143.1	4.55	
HP	<a href="#">Pavilion 15t Quad</a>		0.96		15.06 x 9.94	149.6	4.84	
HP	<a href="#">EliteBook 755 G3</a>		0.76 (non-touch) 0.82 (touch)		15.09 x 10.1	152.4	4.06 (non-touch) 4.54 (touch)	
HP	<a href="#">EliteBook 755 G4</a>		0.76		15.1 x 10.1	152.5	4.06	
HP	<a href="#">EliteBook 850 G3</a>		0.76 (non-touch) 0.82 (touch)		15.09 x 10.1	152.4	4.06 (non-touch) 4.54 (touch)	
HP	<a href="#">EliteBook 850 G4</a>		0.76 (non-touch) 0.82 (touch)		15.1 x 10.1	150.1	4.06 (non-touch) 4.54 (touch)	
HP	<a href="#">Envy 15t</a>		0.71		14.96 x 10.04	150.1	4.44	
HP	<a href="#">Envy 15-as-151nr</a>		0.71		14.96 x 10.04	150.1	4.3	
HP	<a href="#">Envy 15-as-152nr</a>		0.71		14.96 x 10.04	150.1	4.32	
HP	<a href="#">ProBook 450 G3</a>		0.94-0.98 (non touch) 1.00-1.04 (touch)		14.88 x 10.41 (non-touch) 14.88 x 10.42 (touch)	154.9 (non-touch) 155.0 (touch)	4.56	
HP	<a href="#">ProBook 450 G4</a>		0.96		15.04 x 10.35	155.6	4.49	
HP	<a href="#">ProBook 455 G4</a>		0.96		15.04 x 10.35	155.6	4.58	
HP	<a href="#">ProBook 650 G2</a>		1.07		14.88 x 10.11	150.4	5.1	
HP	<a href="#">ProBook 650 G3</a>		1.07		14.88 x 10.11	150.4	5.1	
HP	<a href="#">ProBook 655 G2</a>		1.07		14.88 x 10.11	150.4	5.1	
HP	<a href="#">ProBook 655 G3</a>		1.07		14.88 x 10.11	150.4	5.1	
HP	<a href="#">Zbook 15 G3</a>		1		15.2 x 10.4	158.08	5.8	
HP	<a href="#">Zbook 15u G3</a>		0.78		15.09 x 10.1	152.4	4.18	

Brand	Model	Thickness		Dimensions		total area (sq. in.)	Weight	
		mm	inches	mm	inches		lbs	kg
HP	<a href="#">Zbook 15u G4</a>		0.78		15.09 x 10.1	152.4	4.18	
HP	<a href="#">Zbook Studio G3</a>		0.71		14.76 x 10.04	148.2	4.4	
Lenovo	<a href="#">Ideapad 110</a>		0.9		14.88 x 10.43	155.2	4.8	
Lenovo	<a href="#">Ideapad 300</a>		0.90 - 0.92		15.11 x 10.43	157.6	5.07	
Lenovo	<a href="#">Ideapad 310</a>		0.9		14.92 x 10.24	152.8	4.8	
Lenovo	<a href="#">Ideapad 500</a>		0.97		15.12 x 10.43	157.7	5.1	
Lenovo	<a href="#">Ideapad 510</a>		0.9		14.92 x 10.24	152.8	4.63	
Lenovo	<a href="#">Ideapad 700 (15")</a>		0.89		15.12 x 10.43	157.7	5.1	
Lenovo	<a href="#">Ideapad Y700 15</a>		1.02		15.23 x 10.90	166	5.7	
Lenovo	<a href="#">Ideapad Y700 Touch</a>		1.02		15.23 x 10.90	166	5.7	
Lenovo	<a href="#">Legion Y520</a>		1.01		14.96 x 10.43	156	5.3	
Lenovo	<a href="#">ThinkPad P50</a>		1.02		14.86 x 9.93	147.6	5.6	
Lenovo	<a href="#">ThinkPad P50s</a>		0.88		14.98 x 10.17	152.3	5.27	
Lenovo	<a href="#">ThinkPad E570</a>		0.9		14.92 x 10.27	153.2	5.1	
Lenovo	<a href="#">ThinkPad E575</a>		1		14.92 x 10.27	153.2	5.1	
Lenovo	<a href="#">ThinkPad T560</a>		0.88		14.98 x 10.16	152.2	5	
Lenovo	<a href="#">ThinkPad L560</a>		1.09		14.84 x 10.04	148.9	5.2	
Sager	<a href="#">NP9152</a>		1.5		15.20 x 10.32	156.9	7.5	
Sager	<a href="#">NP8157</a>		1.13		15.16 x 10.67	161.8	5.84	
Sager	<a href="#">NP8156</a>		0.98		15.16 x 10.67	161.8	5.5	
Sager	<a href="#">NP8155</a>		0.98		15.16 x 10.67	161.8	5.5	
Sager	<a href="#">NP6852</a>		1.06		14.88 x 10.51	156.4	5.51	
Sager	<a href="#">NP6850</a>		1.06		14.88 x 10.51	156.4	5.51	
Sager	<a href="#">NP5850</a>		0.98		14.88 x 10.51	156.4	5.51	
Sager	<a href="#">NP5855</a>		0.98		14.88 x 10.51	156.4	5.51	

Brand	Model	Thickness		Dimensions		total area (sq. in.)	Weight	
		mm	inches	mm	inches		lbs	kg
Samsung	<a href="#">Notebook 3 NP300E5K-L04US</a>		0.98		14.83 x 9.92	147.1	4.73	
Samsung	<a href="#">Notebook 5 NP530E5M-X02US</a>		0.98		14.76 x 9.76	144.1	4.37	
Samsung	<a href="#">Notebook 5 NP500R5L-M02US NP500R5L-M03US</a>		0.82		14.76 x 9.76	144.1	4.19	
Samsung	<a href="#">Notebook 9 NP900X5N-X01US</a>		0.61		13.70 x 9.03	123.7	2.73	
Samsung	<a href="#">Notebook 9 NP900X5N-L01US</a>		0.61		13.70 x 9.03	123.7	2.6	
Samsung	<a href="#">Notebook 9 NP900X5L-K02US</a>		0.57		13.64 x 9.32	127.1	2.9	
Samsung	<a href="#">Notebook 9 Pro NP940Z5L-X01US</a>		0.7		14.72 x 9.83	144.7	4.45	
Samsung	<a href="#">Notebook Odyssey</a>		0.94		14.88 x 10.24	152.3	5.51	
Toshiba	<a href="#">Tecra C50 C1501 C1503 01301H</a>		0.95		14.9 x 10.2	151.9	4.96	
Toshiba	<a href="#">Tecra A50 C1543 03P01G 02J01E</a>		0.9		14.9 x 10.2	151.9	4.96	
Toshiba	<a href="#">Tecra Z50 034007 034014</a>		0.95		14.9 x 10.2	151.9	4.61	

Figure 2: Dimensional information. All links and data current as of 04/25/2017.

Brand	Model	Processor	Graphics Card
Dell	<a href="#">XPS 15</a>	7th generation Intel Core processors up to quad-core i7	NVIDIA® GEFORCE® GTX 1050
Acer	<a href="#">Aspire E (E5-574G-75N8)</a>	Intel Core i7-6500U	NVIDIA GeForce 940MX with 2 GB Dedicated Memory
Acer	<a href="#">Aspire E (E5-575G-57D4)</a>	Intel Core i5-6200U Intel Core i7-6500U	NVIDIA GeForce 940MX with 2 GB Dedicated Memory
Acer	<a href="#">Aspire E (E5-575G-562T)</a>	Intel Core i5-7200U	NVIDIA GeForce 950MX with 2 GB Dedicated Memory
Acer	<a href="#">Aspire E (E5-575G-75MD)</a>	Intel Core i7-7500U	NVIDIA GeForce 940MX with 2 GB Dedicated Memory
Acer	<a href="#">Aspire E (E5-575G-527J)</a>	Intel Core i7-6200U	NVIDIA GeForce 950M with 2GB Dedicated Memory
Acer	<a href="#">Aspire E (E5-575G-55KK)</a> <a href="#">(E5-575G-728Q)</a>	Intel Core i5-7200U Intel Core i7-7200U	NVIDIA GeForce 940MX with 2 GB Dedicated Memory
Acer	<a href="#">Aspire E (E5-575G-52RJ)</a>	Intel Core i5-6200U	NVIDIA GeForce 940M with 2 GB Dedicated Memory
Acer	<a href="#">Aspire F 15 (F5-573G-7791)</a> <a href="#">(F5-573G-74MV)</a>	Intel Core i7-7500U Intel Core i7-6500U Intel Core i5-6200U	NVIDIA GeForce 940MX with 4 GB Dedicated Memory
Acer	<a href="#">Aspire F 15 (F5-573G-510L)</a> <a href="#">(F5-573G-77BJ)</a>	Intel Core i5-7500U	NVIDIA GeForce 950M with 4GB Dedicated Memory
Acer	<a href="#">Aspire V (V3-572PG-546C)</a>	Intel Core i5-5200U Intel Core i7-5500U	NVIDIA GeForce 840M with 2 GB Dedicated Memory
Acer	<a href="#">Aspire V 15 (V5-591G-78R9)</a>	Intel Core i7-6700HQ	NVIDIA GeForce GTX 950M with 2 GB Dedicated Memory
Acer	<a href="#">Aspire V Nitro (VN7-572TG-775T)</a>	Intel Core i7-6500U	NVIDIA GeForce GTX 950M with 4 GB Dedicated Memory
Acer	<a href="#">Aspire V Nitro (VN7-592G-7015)</a> <a href="#">(VN7-592G-788W)</a>	Intel Core i7-6700HQ	NVIDIA GeForce GTX 960M with 4GB Dedicated Memory

Brand	Model	Processor	Graphics Card
Acer	<a href="#">Aspire V Nitro (VN7-593G-76SS)</a> <a href="#">(VN7-593G-73KV)</a> <a href="#">(VN7-593G-70U4)</a>	Intel Core i7-7700HQ	NVIDIA GeForce GTX 1060 with 6GB Dedicated Memory
Acer	<a href="#">Predator 15 (G9-593-77WF)</a> <a href="#">(G9-593-71EH)</a>	Intel Core i7-6700HQ	NVIDIA GeForce GTX 1070 with 8GB Dedicated Memory
Acer	<a href="#">Predator 15 (G9-593-72VT)</a> <a href="#">(G9-593-74WY)</a> <a href="#">(G9-593-73N6)</a>	Intel Core i7-6700HQ	NVIDIA GeForce GTX 1060 with 6GB Dedicated Memory
Acer	<a href="#">Predator 15 (G9-592-74A5)</a>	Intel Core i7-6700HQ	NVIDIA GeForce GTX 980M with 8GB Dedicated Memory
Acer	<a href="#">Aspire VX 15 (VX5-591G-75RM)</a> <a href="#">(VX5-591G-7061)</a> <a href="#">(VX5-591G-5652)</a> <a href="#">(VX5-591G-54VG)</a>	Intel Core i7-7700HQ Intel Core i5-7300HQ	NVIDIA GeForce GTX 1050 Ti with 4GB Dedicated Memory NVIDIA GeForce GTX 1050 with 4GB Dedicated Memory
Aorus	<a href="#">X5 v6</a>	6th Generation Intel® Core™ i7-6820HK	NVIDIA GeForce GTX 1070 8GB
Aorus	<a href="#">X5S v5</a>	6th Generation Intel® Core™ i7-6700HQ	NVIDIA GeForce GTX 980M 8GB
Aorus	<a href="#">X5</a>	5th Generation Intel® Core™ i7-5700HQ	Dual NVIDIA GeForce GTX 965M graphics with 8GB total (4GBx2) in NVIDIA SLI
Apple	<a href="#">MacBook Pro with Retina Display (2015)</a>	2.2-3.4GHz quad-core Intel i7 2.5-3.7GHz quad-core Intel i7 2.8-4.0GHz quad-core Intel i7	Intel Iris Pro Graphics
Apple	<a href="#">MacBook Pro</a>	2.6-3.5GHz quad-core Intel i7 2.7-3.6GHz quad-core Intel i7 2.9-3.8GHz quad-core Intel i7	AMD Radeon Pro 450 AMD Radeon Pro 455 Intel HD Graphics 530 AMD Radeon Pro 460

Brand	Model	Processor	Graphics Card
ASUS	<a href="#">ROG GL552VW</a>	Intel Core i5 6300HQ Intel Core i7 6700HQ	NVIDIA GeForce GTX 960M with 2G/4G GDDR5 VRAM
ASUS	<a href="#">ROG GL553VD</a>	Intel Core i7-7700HQ Intel Core i5-7300HQ	NVIDIA GeForce GTX 1050 2GB/4GB
ASUS	<a href="#">ROG GL553VE</a>	Intel Core i7-7700HQ Intel Core i5-7300HQ	NVIDIA GeForce GTX 1050Ti 4GB
ASUS	<a href="#">ROG STRIX GL502VY</a>	Intel Core i7 6700HQ	NVIDIA GeForce GTX 980M with 4G/8G GDDR5 VRAM
ASUS	<a href="#">ROG GL502VS</a>	Intel Core i7-6700HQ	NVIDIA GeForce GTX 1070 4GB/8GB
ASUS	<a href="#">ROG GL502VM</a>	Intel Core i7-6700HQ Intel Core i5-6300HQ	NVIDIA GeForce GTX 1060 3GB/6GB
ASUS	<a href="#">K501UX</a>	Intel Core i7-6500U Intel Core i5-6200U	NVIDIA GeForce GTX 950M 2GB/4GB
ASUS	<a href="#">ZenBook Pro UX510UW</a>	Intel Core i7-6500U Intel Core i5-6200U	NVIDIA GeForce GTX 960M with 2GB/4GB
ASUS	<a href="#">ZenBook Pro UX501VW</a>	Intel Core i7 6700HQ	NVIDIA GeForce GTX 960M with 2G/4G GDDR5
HP	<a href="#">OMEN 15t</a>	Intel Core i7-7700HQ	NVIDIA GeForce GTX 1050 4GB
HP	<a href="#">Pavilion 15-bc251nr Quad</a>	Intel Core i7-7700HQ	NVIDIA GeForce GTX 1050 2GB
HP	<a href="#">Pavilion 15t Quad</a>	Intel Core i7-7700HQ Intel Core i5-7300HQ	NVIDIA GeForce GTX 1050 4GB
HP	<a href="#">EliteBook 850 G3</a>	Intel Core i7-6600U Intel Core i7-6500U Intel Core i5-6300U Intel Core i5-6200U Intel Core i3-6100U	AMD Radeon R7 M365X 1GB
HP	<a href="#">EliteBook 850 G4</a>	Intel Core i7-7600U Intel Core i7-7500U Intel Core i5-7300U Intel Core i5-7200U Intel Core i3-7100U	AMD Radeon R7 M465 2GB
HP	<a href="#">ProBook 450 G4</a>	Intel Core i7-7500U Intel Core i5-7200U Intel Core i3-7100U	NVIDIA GeForce 930MX 2GB

Brand	Model	Processor	Graphics Card
HP	<a href="#">ProBook 650 G2</a>	Intel Core i7-6600U Intel Core i5-6300U	AMD Radeon R7 M365X 2GB
HP	<a href="#">Zbook 15 G3</a>	Intel Xeon E3-1545M Intel Xeon E3-1505M Intel Core i7-6820HQ Intel Core i7-6700HQ Intel Core i5-6440HQ	NVIDIA Quadro M2000M 4GB
HP	<a href="#">Zbook 15u G3</a>	Intel Core i7-6500U Intel Core i7-6600U Intel Core i5-6300U Intel Core i5-6200U	AMD FirePro W4190M 2 GB
HP	<a href="#">Zbook 15u G4</a>	Intel Core i7-7600U Intel Core i7-7500U Intel Core i5-7300U Intel Core i5-7200U	AMD FirePro W4190M 2 GB
HP	<a href="#">Zbook Studio G3</a>	Intel Xeon E3-1545M Intel Xeon E3-1505M Intel Core i7-6820HQ Intel Core i7-6700HQ	NVIDIA Quadro M1000M 4GB
Lenovo	<a href="#">Ideapad 510</a>	Intel Core i7-6500U	NVIDIA GeForce 940MX 4GB
Lenovo	<a href="#">Ideapad 700 (15")</a>	Intel Core i7-6700HQ Intel Core i5-6300HQ	NVIDIA GeForce 950M 4GB
Lenovo	<a href="#">Ideapad Y700 15</a>	Up to 6th Generation Intel® Quad-Core i7 Processor	NVIDIA GeForce GTX 960M 4GB
Lenovo	<a href="#">Ideapad Y700 Touch</a>	Up to 6th Generation Intel® Quad-Core i7 Processor	NVIDIA GeForce GTX960M 4 GB
Lenovo	<a href="#">Legion Y520</a>	7th Generation Intel® Core™ i7 Processor	NVIDIA GeForce GTX 1050 Ti 4GB
Lenovo	<a href="#">ThinkPad P50</a>	Intel Xeon E3-1505M v5	NVIDIA Quadro M2000M
Lenovo	<a href="#">ThinkPad P50s</a>	Intel Core i5-6300U Intel Core i7-6500U Intel Core i7-6600U	NVIDIA Quadro M500M 2GB



Brand	Model	Processor	Graphics Card
Lenovo	<a href="#">ThinkPad E570</a>	Intel Core i7-7500U Intel Core i5-7200U Intel Core i3-7100U	NVIDIA GeForce GTX 950M 2GB
Sager	<a href="#">NP9152</a>	6th Generation Intel® Core™ i7-6700K  7th Generation Intel® Core™ i7-7700  7th Gen Intel® Core™ i7-7700K	NVIDIA GeForce GTX 1060 6GB  NVIDIA GeForce GTX 1070 8GB
Sager	<a href="#">NP8157</a>	7th Gen Intel® Core™ i7-7700HQ  7th Generation Intel® Core™ i7-7820HK	NVIDIA GeForce GTX 1070 8GB
Sager	<a href="#">NP8156</a>	7th Gen Intel® Core™ i7-7700HQ	NVIDIA GeForce GTX 1060 6GB
Sager	<a href="#">NP8155</a>	7th Gen Intel® Core™ i7-7700HQ	NVIDIA GeForce GTX 1060 3GB
Sager	<a href="#">NP6852</a>	7th Gen Intel® Core™ i7-7700HQ	NVIDIA GeForce GTX 1050Ti 4GB
Sager	<a href="#">NP6850</a>	7th Gen Intel® Core™ i7-7700HQ	NVIDIA GeForce GTX 1050 2GB
Sager	<a href="#">NP5850</a>	7th Gen Intel® Core™ i7-7700HQ	NVIDIA GeForce GTX 950M 2GB
Sager	<a href="#">NP5855</a>	7th Gen Intel® Core™ i7-7700HQ	NVIDIA GeForce GTX 1050 2GB
Samsung	<a href="#">Notebook 9 Pro NP940Z5L-X01US</a>	Intel Core i7 6700HQ	NVIDIA GeForce GTX 950M 2GB
Samsung	<a href="#">Notebook Odyssey</a>	Intel Core i7-7700HQ	NVIDIA GeForce GTX 1050 2GB

Figure 3: Processor and graphics card information. All links and data current as of 04/25/2017.

## ABOUT PRINCIPLED TECHNOLOGIES



Principled Technologies, Inc.  
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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, websites, 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.

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