

# COMPARISON OF 15-INCH CLASS NOTEBOOKS

We compared a Dell™ XPS™ 15 (9560) notebook with other 15-inch-class notebooks. These include devices from Acer®, Apple®, ASUS®, HP, Lenovo®, and Toshiba®. Figures 1 through 4 compare the systems using publically available data at each vendor’s respective website. We gathered this data on 02/14/2017 at the links provided. Dell provided us with information about the Dell XPS 15 notebook.

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

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

Brand	Model	Battery info	Battery life claims
Dell	XPS 15	6 cell Lithium ion 97Wh	19.5 hours
Acer	<a href="#">Aspire E (E5-574-53QS)</a> <a href="#">(E5-573-35JA)</a> <a href="#">(E5-573-P0DP)</a> <a href="#">(E5-532-P3D4)</a> <a href="#">(E5-573-378G)</a> <a href="#">(E5-552-T75L)</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-53VG)</a> <a href="#">(E5-575G-76YK)</a> <a href="#">(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-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 (E5-575G-58UJ)</a> <a href="#">(E5-575G-57A4)</a>	6 cell Lithium Ion 2800 mAh	No official claim. <a href="#">Notebook Check</a> claims 7 hours, 30 mins while using WiFi and 12 hours, 47 mins while idle.

<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 while using WiFi and 12 hours, 47 mins while idle.
Acer	<a href="#">Aspire E (E5-575-33BM)</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="#">(E5-575-51GG)</a> <a href="#">(E5-553G-F55F)</a> <a href="#">(E5-553-T2XN)</a> <a href="#">(E5-575-521W)</a> <a href="#">(E5-575-53EJ)</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 (E5-575-54E8)</a> <a href="#">(E5-575-54SM)</a> <a href="#">(E5-553-102Z)</a> <a href="#">(E5-553-11PT)</a> <a href="#">(E5-523-97JY)</a> <a href="#">(E5-575T-3678)</a> <a href="#">(E5-575-5253)</a> <a href="#">(E5-575-74LC)</a> <a href="#">(E5-575-53N3)</a>	4-cell Lithium Ion 2800 mAh	8 Hours
Acer	<a href="#">Aspire ES (ES1-531-P0JJ)</a>	3 cell Lithium Ion 3490 mAh	6 hours
Acer	<a href="#">Aspire ES (ES1-571-31XM)</a>	3 cell Lithium Ion 3220 mAh	5 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="#">(ES1-572-31KW)</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>	4 cell Lithium Ion 3220 mAh	6.5 hours
Acer	<a href="#">Aspire F 15</a> <a href="#">(F5-573-32ZS)</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="#">(F5-573-57R7)</a> <a href="#">(F5-573-55LV)</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-56CG)</a> <a href="#">(F5-573G-78R2)</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-55PV)</a> <a href="#">(V5-591G-74MJ)</a>	6 cell Lithium Ion 5040 mAh	No official claim No 3rd party claims
Acer	<a href="#">Aspire V 15 (V5-591G-75KE)</a>	6 cell Lithium Ion 5040 mAh	No official claim No 3rd party claims
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 (VN7-571G-76RC)</a>	3-cell Lithium Ion 4450 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>	3-cell 4605 mAh Lithium Ion	6 hours
Acer	<a href="#">Aspire V Nitro (VN7-593G-76SS)</a>	4-cell 4605 mAh Lithium Ion	6 hours
Acer	<a href="#">Aspire R7 (R7-572-5893)</a>	4-cell 3560 mAh Lithium Polymer	5.5 hours
Acer	<a href="#">Aspire R15 (R5-571T-57Z0)</a>	4-cell 3220 mAh Lithium Ion	9 hours
Acer	<a href="#">Predator 15 (G9-593-77WF)</a>	8-cell 6000 mAh Lithium Ion	3 hours

Brand	Model	Battery info	Battery life claims
Acer	<a href="#">Predator 15 (G9-593-72VT)</a> <a href="#">(G9-593-73FK)</a> <a href="#">(G9-593-73N6)</a>	8-cell 6000 mAh Lithium Ion	3 hours
Acer	<a href="#">Predator 15 (G9-592-71EF)</a>	8-cell 6000 mAh Lithium Ion	7 hours
Acer	<a href="#">Predator 15 (G9-591-74KN)</a>	8-cell 6000 mAh Lithium Ion	8 hours
Acer	<a href="#">Aspire VX 15 (VX5-591G-75RM)</a>	3-cell 4605 mAh Lithium Ion	6 hours
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 - Silver</a>	76.0 Whr Lithium-polymer battery	10 hours wireless web 10 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. Google claims 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 mins.
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 while using 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	4 hours, 21 mins while viewing a 1080p film.

Brand	Model	Battery info	Battery life claims
ASUS	<a href="#">F555UA</a>	2 cell 37 Whrs Lithium-Polymer	No official claim. <a href="#">9-to-5 Gadgets</a> claims 4 hours.
ASUS	<a href="#">X555LA</a>	2 cell 37 Whrs Lithium-Polymer	No official claim. <a href="#">LAPTOP Magazine</a> claims 5 hours, 55 mins.
ASUS	<a href="#">ZenBook Pro UX510UW</a>	48 Whrs	No official claim. <a href="#">Ultrabook Review</a> claims 5 hours, 25 min while using WiFi.
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 mins (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
HP	<a href="#">Laptop 15t</a>	4 cell (41 WHr) Lithium-ion Battery	Up to 6 hours
HP	<a href="#">OMEN 15t</a>	4 cell (63.3 WHr) Lithium-ion Battery	Up to 8 hours, 30 mins
HP	<a href="#">Pavilion 15-au151nr Touch</a>	2 cell (41 WHr) Lithium-ion Battery	Up to 7 hours, 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 15t Quad</a>	4 cell (63.3 WHr) Lithium-ion Battery	Up to 9 hours

Brand	Model	Battery info	Battery life claims
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 mins during video playback; 5 hours, 9 minutes while using WiFi.
HP	<a href="#">ProBook 450 G4</a>	3-cell (48 WHr) Long Life Li-ion	Up to 14 hours and 15 mins
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 mins while using WiFi.
HP	<a href="#">ProBook 650 G3</a>	3-cell (48 WHr) Long Life	Up to 13 hours, 45 mins
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 mins while using WiFi.
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 using WiFi.
HP	<a href="#">Zbook 15u G4</a>	3-cell 51 WHr Li-ion	No official claim. <a href="#">Nothing But Savings</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 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

Brand	Model	Battery info	Battery life claims
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
Lenovo	<a href="#">Ideapad Y700 15</a>	4 Cell (60 WHr)	No official claim. <a href="#">LAPTOP Magazine</a> claims 4 hours, 16 mins.
Lenovo	<a href="#">Ideapad Y700 Touch</a>	4 Cell 60 WHr	No official claim. <a href="#">PC Magazine</a> claims 7 hours, 55 min.
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="#">PC Connection</a> claims 7 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
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</a> <a href="#">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)



Brand	Model	Battery info	Battery life claims
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 02/14/2017.

Brand	Model	Thinness		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 (E5-574-53QS) (E5-573-35JA) (E5-573-P0DP) (E5-532-P3D4) (E5-573-378G) (E5-552-T75L)</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	

Brand	Model	Thickness		Dimensions		total area (sq. in.)	Weight	
		mm	inches	mm	inches		lbs	kg
Acer	<a href="#">Aspire E (E5-575G-53VG)</a> <a href="#">(E5-575G-76YK)</a> <a href="#">(E5-575G-57D4)</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 (E5-575G-58UJ)</a> <a href="#">(E5-575G-57A4)</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> <a href="#">(E5-575-51GG)</a> <a href="#">(E5-553G-F55F)</a> <a href="#">(E5-553-T2XN)</a> <a href="#">(E5-575-521W)</a> <a href="#">(E5-575-53EJ)</a>		0.94-1.19		15 x 10.2	153	4.92	
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 (E5-575-54E8)</a> <a href="#">(E5-575-54SM)</a> <a href="#">(E5-553-102Z)</a> <a href="#">(E5-553-11PT)</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="#">(E5-523-97JY)</a> <a href="#">(E5-575T-3678)</a> <a href="#">(E5-575-5253)</a> <a href="#">(E5-575-74LC)</a> <a href="#">(E5-575-53N3)</a>							
Acer	<a href="#">Aspire ES (ES1-531-P0JJ)</a>		1.03		15 x 10.2	153	5.29	
Acer	<a href="#">Aspire ES (ES1-571-31XM)</a>		1.03-1.07		15 x 10.2	153	5.29	
Acer	<a href="#">Aspire ES (ES1-572-357C)</a> <a href="#">(ES1-572-59E8)</a> <a href="#">(ES1-572-31KW)</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>		0.97		15 x 10.2	153	5.29	
Acer	<a href="#">Aspire F 15 (F5-573-32ZS)</a>		0.91-1.12		15 x 10.2	153	5.29	
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="#">(F5-573-57R7)</a> <a href="#">(F5-573-55LV)</a>		0.91-1.12		15 x 10.2	153	5.07	

Brand	Model	Thickness		Dimensions		total area (sq. in.)	Weight	
		mm	inches	mm	inches		lbs	kg
Acer	<a href="#">Aspire F 15 (F5-573G-7791)</a> <a href="#">(F5-573G-56CG)</a> <a href="#">(F5-573G-78R2)</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-55PV)</a> <a href="#">(V5-591G-74MJ)</a>		1.08-1.19		15 x 10.2	153	5.29	
Acer	<a href="#">Aspire V 15 (V5-591G-75KE)</a>		1.08-1.19		15 x 10.2	153	5.4	
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 (VN7-571G-76RC)</a>		0.86-0.94		15 x 10.1	151.5	5.29	
Acer	<a href="#">Aspire V Nitro (VN7-572TG-775T)</a>		1.02		15.4 x 10.3	158.6	5.29	
Acer	<a href="#">Aspire V Nitro (VN7-592G-7015)</a>		0.9		15.4 x 10.3	158.6	5.07	

Brand	Model	Thickness		Dimensions		total area (sq. in.)	Weight	
		mm	inches	mm	inches		lbs	kg
Acer	<a href="#">Aspire V Nitro (VN7-593G-76SS)</a>		0.89-0.98		15.4 x 10.5	161.7	5.73	
Acer	<a href="#">Aspire R7 (R7-572-5893)</a>		0.81		14.8 x 10.0	148	5.29	
Acer	<a href="#">Aspire R15 (R5-571T-57Z0)</a>		0.79		14.6 x 10.1	147.4	5.29	
Acer	<a href="#">Predator 15 (G9-593-77WF)</a>		1.52		15.4 x 11.8	181.7	8.16	
Acer	<a href="#">Predator 15 (G9-593-72VT)</a> <a href="#">(G9-593-73FK)</a> <a href="#">(G9-593-73N6)</a>		1.52		15.4 x 11.8	181.7	8.16	
Acer	<a href="#">Predator 15 (G9-592-71EF)</a>		1.52		15.4 x 11.8	181.7	7.94	
Acer	<a href="#">Predator 15 (G9-591-74KN)</a>		1.5		15.4 x 11.8	181.7	7.5	
Acer	<a href="#">Aspire VX 15 (VX5-591G-75RM)</a>		1.10-1.14		15.3 x 10.5	160.6	5.51	
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 - Silver</a>	15.5	0.61	349.3 x 240.7	13.75 x 9.48	130.4	4.02	1.83
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	

Brand	Model	Thickness		Dimensions		total area (sq. in.)	Weight	
		mm	inches	mm	inches		lbs	kg
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="#">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	
HP	<a href="#">Laptop 15t</a>		0.95		15.12 x 10.02	151.5	4.73	
HP	<a href="#">OMEN 15t</a>		0.96		15.06 x 9.94	143.9	4.85	
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 15t Quad</a>		0.96		15.06 x 9.94	149.6	4.84	
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	

Brand	Model	Thickness		Dimensions		total area (sq. in.)	Weight	
		mm	inches	mm	inches		lbs	kg
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="#">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	
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 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="#">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 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	
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	

Brand	Model	Thickness		Dimensions		total area (sq. in.)	Weight	
		mm	inches	mm	inches		lbs	kg
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 02/14/2017.

Brand	Model	Processor	Graphics Card
Dell	XPS 15	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-53VG) (E5-575G-76YK) (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-75MD)</a>	Intel Core i7-7500U	NVIDIA GeForce 940MX with 2 GB Dedicated Memory



Brand	Model	Processor	Graphics Card
Acer	<a href="#">Aspire E</a> <a href="#">(E5-575G-58UJ)</a> <a href="#">(E5-575G-57A4)</a>	Intel Core i5-6200U	NVIDIA GeForce 950M with 2GB Dedicated Memory
Acer	<a href="#">Aspire E</a> <a href="#">(E5-575G-527J)</a>	Intel Core i7-6200U	NVIDIA GeForce 950M with 2GB Dedicated Memory
Acer	<a href="#">Aspire E</a> <a href="#">(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</a> <a href="#">(E5-575G-52RJ)</a>	Intel Core i5-6200U	NVIDIA GeForce 940M with 2 GB Dedicated Memory
Acer	<a href="#">Aspire F 15</a> <a href="#">(F5-573G-7791)</a> <a href="#">(F5-573G-56CG)</a> <a href="#">(F5-573G-78R2)</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</a> <a href="#">(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</a> <a href="#">(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</a> <a href="#">(V5-591G-55PV)</a> <a href="#">(V5-591G-74MJ)</a>	Intel Core i5-6300HQ Intel Core i7-6700HQ	NVIDIA GeForce GTX 950M with 2 GB Dedicated Memory
Acer	<a href="#">Aspire V 15</a> <a href="#">(V5-591G-75KE)</a>	Intel Core i7-6700HQ	NVIDIA GeForce GTX 950M with 4 GB Dedicated Memory
Acer	<a href="#">Aspire V 15</a> <a href="#">(V5-591G-78R9)</a>	Intel Core i7-6700HQ	NVIDIA GeForce GTX 950M with 2 GB Dedicated Memory
Acer	<a href="#">Aspire V Nitro</a> <a href="#">(VN7-571G-76RC)</a>	Intel Core i7-5500U	NVIDIA GeForce GTX 940M with 2 GB Dedicated Memory
Acer	<a href="#">Aspire V Nitro</a> <a href="#">(VN7-572TG-775T)</a>	Intel Core i7-6500U	NVIDIA GeForce GTX 950M with 4 GB Dedicated Memory

Brand	Model	Processor	Graphics Card
Acer	<a href="#">Aspire V Nitro (VN7-592G-7015)</a>	Intel Core i7-6700HQ	NVIDIA GeForce GTX 960M with 4GB Dedicated Memory
Acer	<a href="#">Aspire V Nitro (VN7-593G-76SS)</a>	Intel Core i7-7700HQ	NVIDIA GeForce GTX 1060 with 6GB Dedicated Memory
Acer	<a href="#">Predator 15 (G9-593-77WF)</a>	Intel Core i7-6700HQ	NVIDIA GeForce GTX 1060 with 8GB Dedicated Memory
Acer	<a href="#">Predator 15 (G9-593-72VT)</a> <a href="#">(G9-593-73FK)</a> <a href="#">(G9-593-73N6)</a>	Intel Core i7-6700HQ	NVIDIA GeForce GTX 1060 with 6GB Dedicated Memory
Acer	<a href="#">Predator 15 (G9-592-71EF)</a>	Intel Core i7-6700HQ	NVIDIA GeForce GTX 980M with 8GB Dedicated Memory
Acer	<a href="#">Predator 15 (G9-591-74KN)</a>	Intel Core i7-6700HQ	NVIDIA GeForce GTX 980M with 4GB Dedicated Memory
Acer	<a href="#">Aspire VX 15 (VX5-591G-75RM)</a>	Intel Core i7-7700HQ	NVIDIA GeForce GTX 1050 Ti with 4GB Dedicated Memory
Apple	<a href="#">MacBook Pro with Retina Display (2015)</a>	Intel Core i7-4870HQ	AMD Radeon R9 M370X with 2GB of GDDR5 memory
Apple	<a href="#">MacBook Pro - Silver</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 Core i7 2.7-3.6GHz quad-core Intel Core i7	AMD Radeon Pro 450 AMD Radeon Pro 455
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

Brand	Model	Processor	Graphics Card
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 Ti 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
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	AMD FirePro W4190M 2 GB

Brand	Model	Processor	Graphics Card
		Intel Core i5-6300U Intel Core i5-6200U	
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="#">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
Lenovo	<a href="#">ThinkPad E570</a>	Intel Core i7-7500U Intel Core i5-7200U Intel Core i3-7100U	NVIDIA GeForce GTX 950M 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 02/14/2017.

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