

# COMPARISON OF 15-INCH CLASS NOTEBOOKS

We compared a Dell™ XPS™ 15 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 02/05/2016 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-inch notebook
- has a 5.4 percent smaller footprint than the MacBook Pro® with Retina® Display (15-inch)<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 84Wh	17 hours
Acer	<a href="#">Aspire E1 (E1-532-4629)</a> <a href="#">(E1-532-4870)</a> <a href="#">(E1-532-2635)</a>	4 cell Lithium Ion 2500 mAh	4 hours
Acer	<a href="#">Aspire E1 (E1-572-6484)</a>	4 cell Lithium Ion 2500 mAh	4 hours
Acer	<a href="#">Aspire E (ES1-512-25TP)</a> <a href="#">(ES1-512-C5S4)</a> <a href="#">(ES1-512-C1W0)</a> <a href="#">(ES1-512-P7TZ)</a> <a href="#">(ES1-512-C4DW)</a> <a href="#">(ES1-512-P18H)</a>	3 cell Lithium Ion 3220 mAh	7 hours
Acer	<a href="#">Aspire E (ES1-520-36SP)</a>	3 cell Lithium Ion 3220 mAh	4.5 hours

<sup>1</sup> We use the term "footprint" to refer to the total surface area of the notebook.

<sup>2</sup> We use the term "performance-class" to mean having similar processors and similar discrete graphics cards.



Brand	Model	Battery info	Battery life claims
Acer	<a href="#">Aspire E (E51-521-266Z)</a>	3 cell Lithium Ion 3500 mAh	No official claim No 3rd party claims
Acer	<a href="#">Aspire E (E51-531-P0JJ)</a> <a href="#">(E51-531-C3KX)</a>	3 cell Lithium Ion 3490 mAh	6 hours
Acer	<a href="#">Aspire E (E5-521-435W)</a> <a href="#">(E5-521-8948)</a>	6 cell Lithium Ion 2500 mAh	No official claim <a href="#">NotebookCheck</a> claims 7 hour 7 minutes web surfing
Acer	<a href="#">Aspire E (E5-531P-P3Z4)</a>	6 cell Lithium Ion 4700 mAh	No official claim <a href="#">SuperBiiz</a> claims 7 hours
Acer	<a href="#">Aspire E (E5-531-C01E)</a> <a href="#">(E5-531-P4SQ)</a>	6 cell Lithium Ion 2500 mAh	No official claim <a href="#">Google</a> claims 7 hours
Acer	<a href="#">Aspire E (E5-551-T8JG)</a> <a href="#">(E5-551-T1Z2)</a>	6 cell Lithium Ion 5000 mAh	5 hours
Acer	<a href="#">Aspire E (E5-571P-568M)</a> <a href="#">(E5-571P-5390)</a> <a href="#">(E5-571P-7256)</a> <a href="#">(E5-571P-30QR)</a>	6 cell Lithium Ion 5000 mAh	7 hours
Acer	<a href="#">Aspire E (E5-551-T5SN)</a> <a href="#">(E5-571-30F1)</a> <a href="#">(E5-571-38KJ)</a> <a href="#">(E5-571-5940)</a>	6 cell Lithium Ion 2500 mAh	No official claim <a href="#">Amazon</a> claims 5 hours
Acer	<a href="#">Aspire E (E5-571-71ME)</a> <a href="#">(E5-511-P1RJ)</a>	6 cell Lithium Ion 5000 mAh	7 hours
Acer	<a href="#">Aspire E (E5-571-74F7)</a>	6 cell Lithium Ion 2500 mAh	No official claim <a href="#">Google</a> claims 7 hours

Brand	Model	Battery info	Battery life claims
Acer	<a href="#">Aspire E (E5-571-33BV)</a> <a href="#">(E5-571-58CG)</a> <a href="#">(E5-511-C33M)</a>	6 cell Lithium Ion 4700 mAh	No official claim <a href="#">TabletSpecsReview</a> claims 7 hours
Acer	<a href="#">Aspire E (E5-573-5653)</a>	4 cell Lithium Ion 2500 mAh	No official claim No 3rd party claims
Acer	<a href="#">Aspire E (E5-573-35AQ)</a> <a href="#">(E5-573-516D)</a> <a href="#">(E5-573-754K)</a> <a href="#">(E5-573-57DV)</a> <a href="#">(E5-573-3870)</a> <a href="#">(E5-573-30CW)</a> <a href="#">(E5-573-35JQ)</a> <a href="#">(E5-573-39K5)</a> <a href="#">(E5-573T-5521)</a> <a href="#">(E5-573T-58C1)</a> <a href="#">(E5-532-C7AV)</a> <a href="#">(E5-532-C0K3)</a> <a href="#">(E5-532-C1PC)</a> <a href="#">(E5-532-C9YY)</a> <a href="#">(E5-532-C7K4)</a> <a href="#">(E5-573-395Q)</a> <a href="#">(E5-573T-5935)</a>	4 cell Lithium Ion 2500 mAh	5 hours
Acer	<a href="#">Aspire E (E5-532-C0K3)</a> <a href="#">(E5-532-C1PC)</a> <a href="#">(E5-532-C9YY)</a> <a href="#">(E5-532-C7K4)</a> <a href="#">(E5-532-C5BS)</a> <a href="#">(E5-573T-59RC)</a>	4 cell Lithium Ion 2500 mAh	No official claim <a href="#">MaxGoodReview</a> claims 4 hours
Acer	<a href="#">Aspire E (E5-532-P3B0)</a>	4 cell Lithium Ion 2500 mAh	3.5 hours

Brand	Model	Battery info	Battery life claims
Acer	<a href="#">Aspire E (E5-574-53QS)</a> <a href="#">(E5-573-35SJ)</a> <a href="#">(E5-573-50TV)</a> <a href="#">(E5-573-35JA)</a> <a href="#">(E5-522-86NJ)</a> <a href="#">(E5-573T-57FZ)</a> <a href="#">(E5-573-58FN)</a> <a href="#">(E5-573-79D7)</a>	4 cell Lithium Ion 2520 mAh	No official claim. No 3rd party claim found.
Acer	<a href="#">Aspire E (E5-573-77S3)</a> <a href="#">(E5-573-73NV)</a> <a href="#">(E5-573-79MK)</a>	4 cell Lithium Ion 2520 mAh	No official claim. No 3rd party claim found.
Acer	<a href="#">Aspire E (E5-572G-72M5)</a>	6 cell Lithium Ion 4700 mAh	No official claim <a href="#">Newegg</a> claims 6 hours
Acer	<a href="#">Aspire E (E5-573G-57UU)</a> <a href="#">(E5-573G-59C3)</a> <a href="#">(E5-573G-5698)</a>	4 cell Lithium Ion 2500 mAh	5 hours
Acer	<a href="#">Aspire E (E5-573G-57HR)</a>	4 cell Lithium Ion 2500 mAh	No official claim <a href="#">PC Magazine</a> claims 7 hours 56 minutes
Acer	<a href="#">Aspire E (E5-573G-56RG)</a>	4 cell Lithium Ion 2500 mAh	No official claim <a href="#">Newegg</a> claims 5 hours
Acer	<a href="#">Aspire E (E5-573TG-78KZ)</a> <a href="#">(E5-573-57QE)</a> <a href="#">(E5-573-59NL)</a>	4 cell Lithium Ion 2500 mAh	5 hours
Acer	<a href="#">Aspire E (E5-573G-52G3)</a>	4 cell Lithium Ion 2520 mAh	No official claim <a href="#">Newegg</a> claims 5 hours

Brand	Model	Battery info	Battery life claims
Acer	<a href="#">Aspire E</a> <a href="#">(E5-574G-71WB)</a> <a href="#">(E5-574G-52QU)</a> <a href="#">(E5-573G-7034)</a> <a href="#">(E5-573G-79JP)</a> <a href="#">(E5-573G-79HX)</a>	4 cell Lithium Ion 2520 mAh	No official claim <a href="#">Amazon</a> claims 6 hours
Acer	<a href="#">Aspire F 15</a> <a href="#">(F5-571T-569T)</a>	4 cell Lithium Ion 2520 mAh	No official claim <a href="#">Trends Hot Laptops</a> claims 6 hours
Acer	<a href="#">Aspire F 15</a> <a href="#">(F5-572-57T8)</a> <a href="#">(F5-572-74DZ)</a>	4 cell Lithium Ion 2520 mAh	No official claim <a href="#">LaptopSuggest</a> claims 6.5 hours
Acer	<a href="#">Aspire R7</a> <a href="#">(R7-572-5893)</a>	4 cell Lithium Ion 3560 mAh	5.5 hours
Acer	<a href="#">Aspire V</a> <a href="#">(V3-572P-326T)</a> <a href="#">(V3-572P-594C)</a>	6 cell Lithium Ion 4700 mAh	No official claim <a href="#">Google</a> claims 7 hours
Acer	<a href="#">Aspire V</a> <a href="#">(V3-572PG-7915)</a>	6 cell Lithium Ion 4700 mAh	No official claim <a href="#">Amazon</a> claims 7 hours
Acer	<a href="#">Aspire V 15</a> <a href="#">(V3-575G-57CN)</a>	4 cell Lithium Ion 2000 mAh	No official claim No 3rd party claims
Acer	<a href="#">Aspire V 15</a> <a href="#">(V3-574TG-749V)</a>	4 cell Lithium Ion 2500 mAh	5 hours
Acer	<a href="#">Aspire V 15</a> <a href="#">(V3-575-57MJ)</a>	4 cell Lithium Ion 2520 mAh	No official claim No 3rd party claims
Acer	<a href="#">Aspire V 15</a> <a href="#">(V3-575T-53BP)</a> <a href="#">(V3-575-51A0)</a> <a href="#">(V3-575T-7008)</a>	4 cell Lithium Ion 2520 mAh	6 hours
Acer	<a href="#">Aspire V 15</a> <a href="#">(V3-575-50TD)</a>	4 cell Lithium Ion 2500 mAh	5 hours
Acer	<a href="#">Aspire V Nitro</a> <a href="#">(VN7-571-72LE)</a> <a href="#">(VN7-571-74D1)</a>	3-cell 4605 mAh Lithium Ion	No official claim <a href="#">Fry's Home Electronics</a> claims 8 hours

Brand	Model	Battery info	Battery life claims
Acer	<a href="#">Aspire V Nitro (VN7-571G-7160)</a> <a href="#">(VN7-571G-76RC)</a>	3-cell 4605 mAh Lithium Ion	9 hours
Acer	<a href="#">Aspire V Nitro (VN7-571G-7561)</a> <a href="#">(VN7-571G-59NE)</a>	3 cell 4450 mAh Lithium Ion	4 hours
Acer	<a href="#">Aspire V Nitro (VN7-571G-719D)</a> <a href="#">(VN7-571G-50VG)</a>	3 cell 4450 mAh Lithium Ion	No official claim No 3rd party claims
Acer	<a href="#">Aspire V Nitro (VN7-591G-79YZ)</a> <a href="#">(VN7-591G-729V)</a>	3-cell 4605 mAh Lithium Ion	No official claims <a href="#">Micro Center</a> claims 4-hour battery life.
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 (VN7-572G-53E7)</a> <a href="#">(VN7-572G-7178)</a>	3-cell 4605 mAh Lithium Ion	8 hours
Acer	<a href="#">Aspire V Nitro (VN7-572G-75N7)</a>	3-cell 4605 mAh Lithium Ion	7.5 hours
Acer	<a href="#">Aspire V Nitro (VN7-591G-70RT)</a> <a href="#">(VN7-591G-77FS)</a>	3-cell 4605 mAh Lithium Ion	4 hours
Acer	<a href="#">Aspire V Nitro (VN7-591G-76TR)</a>	3 cell 4450 mAh Lithium Ion	No official claim <a href="#">Newegg</a> claims 4 hours
Acer	<a href="#">Aspire V Nitro (VN7-591G-792U)</a>	3 cell 4450 mAh Lithium Ion	No official claim <a href="#">Newegg</a> claims 3 hours
Acer	<a href="#">Aspire V Nitro (VN7-592G-71ZL)</a> <a href="#">(VN7-592G-77LB)</a> <a href="#">(VN7-592G-70EN)</a>	3-cell 4605 mAh Lithium Ion	6 hours
Acer	<a href="#">Aspire V Nitro (VN7-592G-788W)</a>	3-cell 4605 mAh Lithium Ion	No official claim <a href="#">Amazon</a> claims 6 hours

Brand	Model	Battery info	Battery life claims
Apple	<a href="#">MacBook Pro with Retina Display</a>	99.5 Whr Lithium-polymer battery	9 hours wireless web; 9 hours iTunes movie playback; 30 days of standby time
ASUS	<a href="#">D550MA</a>	3-cell 3000 mAh 33 Whrs	No official claim <a href="#">B&amp;H</a> claims 4 hours.
ASUS	<a href="#">K501LX</a> <a href="#">K501UX</a>	3 cells 48 Whrs	441 min Movie (1080P video)=7.35 hours 393 min Web browsing=6.55 hours 406 min Office operation=6.77 hours
ASUS	<a href="#">N550JX</a>	4 cell polymer	No official claim <a href="#">B&amp;H</a> claims 5 hours.
ASUS	<a href="#">N550JV</a>	4 cell polymer	No official claim <a href="#">B&amp;H</a> claims 5.5 hours.
ASUS	<a href="#">N551JQ</a>	6-cell 5200 mAh 56 Whrs	No official claim <a href="#">PC Market</a> claims 4 hours
ASUS	<a href="#">N551JM</a>	6-cell 5200 mAh 56 Whrs	No official claim No 3rd party claims
ASUS	<a href="#">ROG GL551JW</a>	6Cells 5200 mAh 56 Whrs	No official claim <a href="#">Google</a> claims 5 hours
ASUS	<a href="#">ROG GL552VW</a>	4 cell 48 Whrs	No official claim <a href="#">Ultrabook Review</a> claims 5 hours
ASUS	<a href="#">X550CC</a>	4-cell 2600 mAh 37 Whrs	No official claim No 3rd party claims
ASUS	<a href="#">X550ZA</a>	4Cells 44 Whrs	No official claim <a href="#">PC Verge</a> claims 4 hours
ASUS	<a href="#">X550JX</a>	4Cells 44 mAh	No official claim <a href="#">Newegg</a> claims 5 hours
ASUS	<a href="#">X551MAV</a>	3Cells 3000 mAh 33 Whrs	No official claims <a href="#">Google</a> claims 4 hours
ASUS	<a href="#">X551CA</a>	4-cell 2600 mAh 37 Whrs	No official claims <a href="#">Staples</a> claims 2 hours 52 minutes.
ASUS	<a href="#">X552WA</a>	4Cells 2600 mAh	No official claim <a href="#">Best Buy</a> claims 4 hours

Brand	Model	Battery info	Battery life claims
ASUS	<a href="#">X555LA</a>	2-cell 37 Whrs Polymer	No official claim <a href="#">LAPTOP Magazine</a> claims 5 hours and 55 minutes of WiFi web surfing.
ASUS	<a href="#">Zenbook NX500</a>	6 cells 96 Whrs Polymer	No official claim <a href="#">PC Magazine</a> 5 hours 24 minutes
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 A514</a>	Li-Ion battery 6-cell, 4500 mAh, 48 Wh	8 hours MM2012
Fujitsu	<a href="#">Lifebook A555</a>	Li-Ion battery 6-cell, 4500 mAh, 48 Wh	6.5 - 8 hours depending on processor model (MM2012)
Fujitsu	<a href="#">Lifebook A556/G</a>	Li-Ion battery 3-cell, 4170 mAh, 45 Wh	8.5 hours MM2014
Fujitsu	<a href="#">Lifebook E754</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	Up to 13 hours 10 minutes (with 72 Wh battery)
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	14 hours MM2014
Fujitsu	<a href="#">Lifebook E554</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	11h 20 min runtime, Bapco® MobileMark2007 Productivity Workload, Win7 OS



Brand	Model	Battery info	Battery life claims
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="#">15t</a>	3-cell 31WHr Lithium-ion Battery 4-cell 41WHr Lithium-ion Battery	8 hours 15 minutes
HP	<a href="#">15z</a>	3-cell 31WHr Lithium-ion Battery 4-cell 41WHr Lithium-ion Battery	7 hours 15 minutes
HP	<a href="#">Elitebook 850 G2</a>	3-Cell (50Whr) Polymer/Prismatic Long life Battery	15 hours and 30 minutes (MM07)
HP	<a href="#">Elitebook 850 G3</a>	3-cell, 46 WHr Li-ion polymer	12 hours 30 minutes
HP	<a href="#">EliteBook 755 G2</a>	3-cell, 50 WHr Li-ion	9 hours and 45 minutes.
HP	<a href="#">EliteBook 755 G3</a>	3-cell, 46 WHr Li-ion polymer	8 hours
HP	<a href="#">250 G4</a>	4-cell 41 WHr Lithium Ion	8 hours 45 minutes
HP	<a href="#">255 G3</a>	4-cell (41 WHr) polymer 3-cell (31 WHr) polymer	No official claim <a href="#">Trusted Reviews</a> reports just under 4 hours.
HP	<a href="#">255 G4</a>	3-cell, 31 WHr Li-ion polymer	4 hours and 30 minutes (integrated graphics, MM12) 4 hours and 15 minutes (discrete graphics, MM12) 5 hours and 45 minutes (integrated and discrete graphics, MM7)
HP	<a href="#">355 G2</a>	4-cell 41 WHr Lithium Ion	No official claim <a href="#">NotebookCheck</a> reports 4 hours 43 minutes of web surfing at 150 nits.
HP	<a href="#">ENVY 15t</a>	3-cell 55.5WHr Lithium-ion	10 hours
HP	<a href="#">ENVY 15z</a>	3-cell 48WHr Lithium-ion	7 hours 30 minutes

Brand	Model	Battery info	Battery life claims
HP	<a href="#">ENVY - 15t Slim Quad</a>	6-cell 47WHr Lithium-ion Battery 6-cell 62WHr Lithium-ion Battery	5 hours 30 minutes
HP	<a href="#">ENVY - 15 (ah155nr)</a>	3-cell, 48 Wh prismatic	No official claim No 3rd party claims
HP	<a href="#">ENVY x360 - 15 (w155nr)</a>	3-cell, 48 Wh prismatic	No official claim No 3rd party claims
HP	<a href="#">ENVY x360 - 15t</a>	3-cell 48WHr Lithium-ion	8 hours 45 minutes
HP	<a href="#">HP OMEN - 15t Quad</a>	4-cell 58WHr Lithium-ion Battery	4 hours and 45 minutes
HP	<a href="#">Pavilion 15</a>	4-cell 48WHr Lithium-ion	8 hours
HP	<a href="#">Pavilion 15t</a>	4-cell 41WHr Lithium-ion Battery	7 hours 30 minutes.
HP	<a href="#">Pavilion 15z</a>	4-cell 41WHr Lithium-ion Battery	7 hours 45 minutes.
HP	<a href="#">ProBook 450 G2</a>	4-Cell (40 WHr) Battery Long Life 4-Cell (44 WHr) Lithium-Ion	No official claim <a href="#">CNET</a> claims 11 hours (Note: the site erroneously reports 11 seconds. We believe this is a typo.)
HP	<a href="#">ProBook 450 G3</a>	4-Cell (44 WHr) Lithium-Ion Battery 6-cell (55 WHr) Battery Long Life	No official claim No 3rd party claims
HP	<a href="#">ProBook 455 G3</a>	4-Cell (44 WHr) Lithium-Ion Battery 6-cell (55 WHr) Battery Long Life	No official claim No 3rd party claims
HP	<a href="#">Probook 650 G1</a>	9-cell (100 WHr) Li-Ion; 6-cell (55 WHr) Li-Ion; 6-cell (55 WHr) Long Life	11 hours (6-cell, Long Life 55 WHr Li-ion models with hard drive); 10 hours and 45 minutes (discrete graphics)
HP	<a href="#">Probook 650 G2</a>	3-cell, 48 Wh Li-ion prismatic	10 hours and 15 minutes
HP	<a href="#">Probook 655 G1</a>	9-cell (100 WHr) Li-Ion; 6-cell (55 WHr) Li-Ion; 6-cell (55 WHr) Long Life	16 hours 15 minutes (Quad core with 9-cell (100 WHr) with 2.5" solid state drive)

Brand	Model	Battery info	Battery life claims
HP	<a href="#">Spectre x360 - 15t</a>	3-cell 64.5WHr Lithium-ion	9 hours and 30 minutes
HP	<a href="#">ZBook 15 G2</a>	8-Cell (83 WHr) Battery 8-Cell (75 WHr) Long Life	11 hours 15 minutes
HP	<a href="#">Zbook 15 G3</a>	9 Cell 90 WHr Long Life	No official claim No 3rd party claims
HP	<a href="#">ZBook 15u G2</a>	3 Cell 50 WHr Long Life	11 hours 45 minutes
HP	<a href="#">Zbook 15u G3</a>	3-cell 46 WHr Li-ion prismatic	No official claim No 3rd party claims
HP	<a href="#">Zbook Studio G3</a>	4-cell 64 WHr Li-ion prismatic	No official claim No 3rd party claims
Lenovo	<a href="#">U530 Touch</a>	4-cell Li-Polymer	10 hours Idle; 6 hours FHD playback.
Lenovo	<a href="#">Ideapad 100-15</a>	24 WHr battery	3 hours
Lenovo	<a href="#">Ideapad 300-15</a>	4 Cell 32 Watt Hour Li-Cylindrical	4 Hours Local Video Playback
Lenovo	<a href="#">Ideapad 500-15</a>	4 Cell 32 Watt Hour Li-Cylindrical	4 Hours Local Video Playback
Lenovo	<a href="#">Ideapad Y700-15</a>	4 Cell 60 WHr	5 hours
Lenovo	<a href="#">G50</a>	4-Cell	4 hours
Lenovo	<a href="#">Z51</a>	41 WHr	4 hours
Lenovo	<a href="#">Flex 3 (15 inch)</a>	45WHr battery	5.5 hours
Lenovo	<a href="#">Y50 Touch (six various models all match the criteria)</a>	No information (Integrated)	5 hours WiFi browsing depending on configuration

Brand	Model	Battery info	Battery life claims
Lenovo	<a href="#">Y50-70 UHD (six various models all match the criteria)</a>	No information (Integrated)	5 hours WiFi browsing depending on configuration
Lenovo	<a href="#">Y50</a>	No information (Integrated)	5 hours WiFi browsing depending on configuration
Lenovo	<a href="#">ThinkPad W550s</a>	3 cell Front (44 Whr) 3 cell Rear (23 Whr) 6 cell Rear (48 Whr) 6 cell Rear High Capacity (72 Whr)	No claim for single battery configuration. 17 hours with two batteries (3 cell + 6 cell)
Lenovo	<a href="#">ThinkPad L540</a>	6 Cell (48Whr) 6 Cell (56Whr)	11 hours with standard removable 6-cell battery
Lenovo	<a href="#">ThinkPad T550</a>	3-cell 116 Wh	24 hours (116 Wh)
Lenovo	<a href="#">ThinkPad T540p</a>	9 Cell (9.21 Ah) (57++) 6 Cell (5.2 Ah) (57+)	13+ hours
Samsung	<a href="#">ATIV Book 9</a>	4 cell 62Whr	No official claim <a href="#">Sears</a> claims 9-11.9 hours
Samsung	<a href="#">ATIV Book 9 Pro</a>	4 cell 57Whr	6.5 hours (MM2014)
Toshiba	<a href="#">Tecra W50</a>	Li-Ion (66Wh, 6-Cell)	No official Toshiba claims reported. <a href="#">SpecOut</a> reports 4.8 hours.
Toshiba	<a href="#">Tecra A50</a>	4 cell/45Wh lithium ion	7 hours 47 minutes (MM2014)
Toshiba	<a href="#">Tecra Z50</a>	Lithium Ion (60Wh, 4-Cell)—*Not user replaceable	8.6 hours

Figure 1: Battery information. All links and data current as of 02/05/2016.

Brand	Model	Thickness		Dimensions		total area (sq. in.)	Weight	
		mm	inches	mm	inches		lbs	kg
Dell	<a href="#">XPS 15 (berlinetta)</a>	12.0 - 17.0	0.46 - 0.66	357 x 235	14.06 x 9.25	130.055	4.09	1.85
Acer	<a href="#">Aspire E1 (E1-532-4629)</a> <a href="#">(E1-532-4870)</a> <a href="#">(E1-532-2635)</a>		0.48 - 1.0		15 x 10.1	151.5	5.18	
Acer	<a href="#">Aspire E1 (E1-572-6484)</a>		1		15 x 10.1	151.5	5.18	
Acer	<a href="#">Aspire E (ES1-512-25TP)</a> <a href="#">(ES1-512-C5S4)</a> <a href="#">(ES1-512-C1W0)</a> <a href="#">(ES1-512-P7TZ)</a> <a href="#">(ES1-512-C4DW)</a> <a href="#">(ES1-512-P18H)</a>		1.03		15 x 10.2	153	5.29	
Acer	<a href="#">Aspire E (ES1-520-36SP)</a>		1.07		15 x 10.2	153	5.29	
Acer	<a href="#">Aspire E (ES1-521-266Z)</a>		1.07		15 x 10.2	153	5.29	
Acer	<a href="#">Aspire E (ES1-531-P0JJ)</a> <a href="#">(ES1-531-C3KX)</a>		1.03		15 x 10.2	153	5.29	
Acer	<a href="#">Aspire E (E5-521-435W)</a> <a href="#">(E5-521-8948)</a>		1.0-1.19		15 x 10.1	151.5	5.51	
Acer	<a href="#">Aspire E (E5-531P-P3Z4)</a>		0.97-1.29		15 x 10.1	151.5	5.95	
Acer	<a href="#">Aspire E (E5-531-C01E)</a> <a href="#">(E5-531-P4SQ)</a>		0.96-1.19		15 x 10.1	151.5	5.51	
Acer	<a href="#">Aspire E (E5-551-T8JG)</a> <a href="#">(E5-551-T1Z2)</a>		1.0-1.19		15 x 10.1	151.5	5.51	

Brand	Model	Thickness		Dimensions		total area (sq. in.)	Weight	
		mm	inches	mm	inches		lbs	kg
Acer	<a href="#">Aspire E (E5-571P-568M)</a> <a href="#">(E5-571P-5390)</a> <a href="#">(E5-571P-7256)</a> <a href="#">(E5-571P-30QR)</a>		1.04-1.24		15 x 10.1	151.5	5.95	
Acer	<a href="#">Aspire E (E5-551-T5SN)</a> <a href="#">(E5-571-30F1)</a> <a href="#">(E5-571-38KJ)</a> <a href="#">(E5-571-5940)</a>		1.0-1.19		15 x 10.1	151.5	5.51	
Acer	<a href="#">Aspire E (E5-571-71ME)</a> <a href="#">(E5-511-P1RJ)</a>		1.0-1.19		15 x 10.1	151.5	5.51	
Acer	<a href="#">Aspire E (E5-571-74F7)</a>		1.0-1.19		15 x 10.1	151.5	5.51	
Acer	<a href="#">Aspire E (E5-571-33BV)</a> <a href="#">(E5-571-58CG)</a> <a href="#">(E5-511-C33M)</a>		1.0-1.19		15 x 10.1	151.5	5.51	
Acer	<a href="#">Aspire E (E5-573-5653)</a>		0.98-1.15		15 x 10.1	151.5	5.29	
Acer	<a href="#">Aspire E (E5-573-35AQ)</a> <a href="#">(E5-573-516D)</a> <a href="#">(E5-573-754K)</a> <a href="#">(E5-573-57DV)</a> <a href="#">(E5-573-3870)</a> <a href="#">(E5-573-30CW)</a> <a href="#">(E5-573-35JQ)</a> <a href="#">(E5-573-39K5)</a> <a href="#">(E5-573T-5521)</a> <a href="#">(E5-573T-58C1)</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
	<a href="#">(E5-532-C7AV)</a> <a href="#">(E5-532-C0K3)</a> <a href="#">(E5-532-C1PC)</a> <a href="#">(E5-532-C9YY)</a> <a href="#">(E5-532-C7K4)</a> <a href="#">(E5-573-395Q)</a> <a href="#">(E5-573T-5935)</a>							
Acer	<a href="#">Aspire E</a> <a href="#">(E5-532-C0K3)</a> <a href="#">(E5-532-C1PC)</a> <a href="#">(E5-532-C9YY)</a> <a href="#">(E5-532-C7K4)</a> <a href="#">(E5-532-C5BS)</a> <a href="#">(E5-573T-59RC)</a>		0.98-1.15		15 x 10.1	151.5	5.29	
Acer	<a href="#">Aspire E</a> <a href="#">(E5-532-P3B0)</a>		0.98-1.15		15 x 10.1	151.5	5.29	
Acer	<a href="#">Aspire E</a> <a href="#">(E5-574-53QS)</a> <a href="#">(E5-573-35SJ)</a> <a href="#">(E5-573-50TV)</a> <a href="#">(E5-573-35JA)</a> <a href="#">(E5-522-86NJ)</a> <a href="#">(E5-573T-57FZ)</a> <a href="#">(E5-573-58FN)</a> <a href="#">(E5-573-79D7)</a>		0.98-1.15		15 x 10.1	151.5	5.29	
Acer	<a href="#">Aspire E</a> <a href="#">(E5-573-77S3)</a> <a href="#">(E5-573-73NV)</a> <a href="#">(E5-573-79MK)</a>		0.98-1.15		15 x 10.1	151.5	5.29	
Acer	<a href="#">Aspire E</a> <a href="#">(E5-572G-72M5)</a>		1.13-1.19		15 x 10.1	151.5	5.51	

Brand	Model	Thickness		Dimensions		total area (sq. in.)	Weight	
		mm	inches	mm	inches		lbs	kg
Acer	<a href="#">Aspire E (E5-573G-57UU)</a> <a href="#">(E5-573G-59C3)</a> <a href="#">(E5-573G-5698)</a>		0.98-1.15		15 x 10.1	151.5	5.29	
Acer	<a href="#">Aspire E (E5-573G-57HR)</a>		0.98-1.15		15 x 10.1	151.5	5.29	
Acer	<a href="#">Aspire E (E5-573G-56RG)</a>		0.98-1.15		15 x 10.1	151.5	5.29	
Acer	<a href="#">Aspire E (E5-573TG-78KZ)</a> <a href="#">(E5-573-57QE)</a> <a href="#">(E5-573-59NL)</a>		0.98-1.15		15 x 10.1	151.5	5.29	
Acer	<a href="#">Aspire E (E5-573G-52G3)</a>		0.98-1.15		15 x 10.1	151.5	5.29	
Acer	<a href="#">Aspire E (E5-574G-71WB)</a> <a href="#">(E5-574G-52QU)</a> <a href="#">(E5-573G-7034)</a> <a href="#">(E5-573G-79JP)</a> <a href="#">(E5-573G-79HX)</a>		0.98-1.15		15 x 10.1	151.5	5.29	
Acer	<a href="#">Aspire F 15 (F5-571T-569T)</a>		0.98-1.15		15 x 10.1	151.5	5.29	
Acer	<a href="#">Aspire F 15 (F5-572-57T8)</a> <a href="#">(F5-572-74DZ)</a>		0.98-1.15		15 x 10.1	151.5	5.29	
Acer	<a href="#">Aspire R7 (R7-572-5893)</a>		0.81 - 1.12		14.8 x 10	148	5.29	
Acer	<a href="#">Aspire V (V3-572P-326T)</a> <a href="#">(V3-572P-594C)</a>		1.04-1.24		15 x 10.1	151.5	6.06	
Acer	<a href="#">Aspire V (V3-572PG-7915)</a>		1.04-1.24		15 x 10.1	151.5	6.06	



Brand	Model	Thickness		Dimensions		total area (sq. in.)	Weight	
		mm	inches	mm	inches		lbs	kg
Acer	<a href="#">Aspire V 15 (V3-575G-57CN)</a>		0.94-1.12		15 x 10.2	153	5.29	
Acer	<a href="#">Aspire V 15 (V3-574TG-749V)</a>		0.94-1.12		15 x 10.2	153	5.29	
Acer	<a href="#">Aspire V 15 (V3-575-57MJ)</a>		0.94-1.12		15 x 10.2	153	5.29	
Acer	<a href="#">Aspire V 15 (V3-575T-53BP)</a> <a href="#">(V3-575-51A0)</a> <a href="#">(V3-575T-7008)</a>		0.94-1.12		15 x 10.2	153	5.29	
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 Nitro (VN7-571-72LE)</a> <a href="#">(VN7-571-74D1)</a>		0.86-0.94		15.3 x 10.1	154.53	5.29	
Acer	<a href="#">Aspire V Nitro (VN7-571G-7160)</a> <a href="#">(VN7-571G-76RC)</a>		0.86-0.94		15.3 x 10.1	154.53	5.29	
Acer	<a href="#">Aspire V Nitro (VN7-571G-7561)</a> <a href="#">(VN7-571G-59NE)</a>		0.86-0.94		15.3 x 10.1	154.53	5.29	
Acer	<a href="#">Aspire V Nitro (VN7-571G-719D)</a> <a href="#">(VN7-571G-50VG)</a>		0.86-0.94		15.3 x 10.1	154.53	5.29	
Acer	<a href="#">Aspire V Nitro (VN7-591G-79YZ)</a> <a href="#">(VN7-591G-729V)</a>		0.86-0.94		15.3 x 10.1	154.53	5.29	
Acer	<a href="#">Aspire V Nitro (VN7-572TG-775T)</a>		1.02		15.4 x 10.3	158.62	5.29	
Acer	<a href="#">Aspire V Nitro (VN7-572G-53E7)</a> <a href="#">(VN7-572G-7178)</a>		0.94		15.4 x 10.3	158.62	5.29	

Brand	Model	Thickness		Dimensions		total area (sq. in.)	Weight	
		mm	inches	mm	inches		lbs	kg
Acer	<a href="#">Aspire V Nitro (VN7-572G-75N7)</a>		0.94		15.4 x 10.3	158.62	5.29	
Acer	<a href="#">Aspire V Nitro (VN7-591G-70RT)</a> <a href="#">(VN7-591G-77FS)</a>		0.86-0.94		15.3 x 10.1	154.53	5.29	
Acer	<a href="#">Aspire V Nitro (VN7-591G-76TR)</a>		0.86-0.94		15.3 x 10.1	154.53	5.29	
Acer	<a href="#">Aspire V Nitro (VN7-591G-792U)</a>		0.86-0.94		15.3 x 10.1	154.53	5.29	
Acer	<a href="#">Aspire V Nitro (VN7-592G-71ZL)</a> <a href="#">(VN7-592G-77LB)</a> <a href="#">(VN7-592G-70EN)</a>		0.9		15.4 x 10.3	158.62	5.07	
Acer	<a href="#">Aspire V Nitro (VN7-592G-788W)</a>		0.9		15.4 x 10.3	158.62	5.07	
Apple	<a href="#">MacBook Pro with Retina Display</a>	18	0.71	358.9 x 247.1	14.13 x 9.73	137.48	4.49	2.04
ASUS	<a href="#">D550MA</a>		1.2 (labeled as Tablet dimensions)		15 x 9.9 (labeled as Tablet dimensions)	148.5 (labeled as tablet dimensions)	4.7	
ASUS	<a href="#">K501LX</a> <a href="#">K501UX</a>		0.85		15 x 10	150	4.4	
ASUS	<a href="#">N550JX</a>	27.7	1.09	383 x 255	15.1 x 10	151	5.7	2.59
ASUS	<a href="#">N550JV</a>	27.7	1.09	383 x 255	15.1 x 10	151	5.7	2.6
ASUS	<a href="#">N551JQ</a>		0.6-1.3		15 x 10	150	6	
ASUS	<a href="#">N551JM</a>	28-31.5	1.10-1.24	383 x 255	15.1 x 10	151	5.95	2.7
ASUS	<a href="#">ROG GL551JW</a>		0.6-1.3		15 x 10	150	5.96	
ASUS	<a href="#">ROG GL552VW</a>	32.75-34.75	1.29-1.37	385.5 x 256.9	15.2 x 10.1	153.52	5.7	2.59
ASUS	<a href="#">X550CC</a>	24.8-31.7	0.98-1.25	380 x 251	14.96 x 9.88	147.8	5.07	2.3
ASUS	<a href="#">X550ZA</a>		0.98		14.96 x 9.88	147.8	4.98	

Brand	Model	Thickness		Dimensions		total area (sq. in.)	Weight	
		mm	inches	mm	inches		lbs	kg
ASUS	<a href="#">X550JX</a>		1.15-1.25		14.9 x 9.88	147.21	5.4	
ASUS	<a href="#">X551MAV</a>		1.2		15 x 9.9	148.5	4.7	
ASUS	<a href="#">X551CA</a>	30.9-36.59	1.22-1.44	380 x 251	14.96 x 9.88	147.8	4.74	2.15
ASUS	<a href="#">X552WA</a>		0.97		14.96 x 9.88	147.8	5.4	
ASUS	<a href="#">X555LA</a>		1		15 x 10.1	151.5	5	
ASUS	<a href="#">Zenbook NX500</a>	19	0.74	378 x 255	14.88 x 10	148.8	5	
ASUS	<a href="#">ZenBook Pro UX501VW</a>		0.81-0.84		15.07 x 10.04	151.3	4.54	
Fujitsu	<a href="#">Lifebook A514</a>	30.9	1.22	378 x 252	14.88 x 9.92	147.61	5.3	2.4
Fujitsu	<a href="#">Lifebook A555</a>	30.9	1.22	378 x 256	14.88 x 10.08	149.99	5.3	2.4
Fujitsu	<a href="#">Lifebook A556/G</a>	26.4	1.03	378 x 256	14.88 x 10.08	149.99	5.1	2.3
Fujitsu	<a href="#">Lifebook E754</a>	20-27	0.78-1.06	374 x 250	14.72 x 9.84	144.8	4.2	1.9
Fujitsu	<a href="#">Lifebook E756</a>	20-27	0.78-1.06	374 x 250	14.72 x 9.84	144.8	4.2	1.9
Fujitsu	<a href="#">Lifebook E554</a>	24.2 - 31.4	0.95-1.23	374 x 250	14.72 x 9.84	144.8	4.9	2.2
Fujitsu	<a href="#">Lifebook E556</a>	24.2 - 31.4	0.95-1.23	374 x 250	14.72 x 9.84	144.8	4.9	2.2
HP	<a href="#">15t</a>		0.96		15.13 x 10.02	151.6	4.73	
HP	<a href="#">15z</a>		0.96		15.13 x 10.02	151.6	4.73	
HP	<a href="#">Elitebook 850 G2</a>		0.84 (non-touch) 1.02 (touch)		14.78 x 9.98	147.5	Starting at 4.02 (non-touch) Starting at 4.54 (touch)	
HP	<a href="#">Elitebook 850 G3</a>		0.76 (non-touch) 0.82 (touch)		15.09 x 10.1	152.4	4.1 (non-touch) 4.54 (touch)	
HP	<a href="#">EliteBook 755 G2</a>		0.84 (non-touch) 1.01 (touch)		14.78 x 9.98	147.5	4.19 (non touch) 4.68 (touch)	
HP	<a href="#">EliteBook 755 G3</a>		0.76 (non-touch) 0.82 (touch)		15.09 x 10.1	152.4	4.1 (non touch) 4.54 (touch)	

Brand	Model	Thickness		Dimensions		total area (sq. in.)	Weight	
		mm	inches	mm	inches		lbs	kg
HP	<a href="#">250 G4</a>		0.95		15.12 x 10.02	151.5	4.73	
HP	<a href="#">255 G3</a>		1		14.88 x 10.2	151.8	4.83	
HP	<a href="#">255 G4</a>		0.95		15.12 x 10.02	151.5	4.73	
HP	<a href="#">355 G2</a>		0.9		10.27 x 15.12	155.3	5.07	
HP	<a href="#">ENVY 15t</a>		0.9		15.12 x 10.04	151.8	5.23	
HP	<a href="#">ENVY 15z</a>		0.93		15.12 x 10.04	151.8	5.03	
HP	<a href="#">ENVY - 15t Slim Quad</a>		1.1		14.94 x 9.87	147.5	5.06	
HP	<a href="#">ENVY - 15 (ah155nr)</a>		0.93		15.12 x 10.4	151.8	5.03	
HP	<a href="#">ENVY x360 - 15 (w155nr)</a>		0.94		15.04 x 9.8	147.4	5.06	
HP	<a href="#">ENVY x360 - 15t</a>		0.94		15.04 x 9.84	147.9	4.96	
HP	<a href="#">HP OMEN - 15t Quad</a>		0.78		15.07 x 9.67	145.7	4.68	
HP	<a href="#">Pavilion 15</a>		1.14		15.14 x 10.44	158.1	5.12	
HP	<a href="#">Pavilion 15t</a>		0.99		15.14 x 10.28	155.6	5.07	
HP	<a href="#">Pavilion 15z</a>		0.99		15.14 x 10.28	155.6	5.07	
HP	<a href="#">ProBook 450 G2</a>		0.92-1.00 (non touch) 0.98-1.07 (touch)		14.76 x 10.35 (non-touch) 14.76 x 10.36 (touch)	152.8 (non-touch) 152.9 (touch)	4.54	
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 455 G3</a>		0.94-0.98		14.88 x 10.41	154.9	4.74	
HP	<a href="#">Probook 650 G1</a>		0.99		14.88 x 10.12	150.6	5.1	
HP	<a href="#">Probook 650 G2</a>		1.07		14.88 x 10.11	150.4	5.1	
HP	<a href="#">Probook 655 G1</a>		0.99		14.88 x 10.12	150.6	5.1	

Brand	Model	Thickness		Dimensions		total area (sq. in.)	Weight	
		mm	inches	mm	inches		lbs	kg
HP	<a href="#">Spectre x360 - 15t</a>		0.63		14.8 x 9.75	144.3	4.02	
HP	<a href="#">ZBook 15 G2</a>		1.2		15 x 10.1	151.5	6.13	
HP	<a href="#">Zbook 15 G3</a>		1		15.2 x 10.4	158.1	5.7	
HP	<a href="#">ZBook 15u G2</a>		0.84		14.78 x 9.98	147.5	4.23	
HP	<a href="#">Zbook 15u G3</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="#">U530 Touch</a>		0.86		14.09 x 10.11	142.5	5.07	
Lenovo	<a href="#">Ideapad 100-15</a>		0.89		14.88 x 10.43	155.2	5.1	
Lenovo	<a href="#">Ideapad 300-15</a>		0.90-0.92		15.11 x 10.43	157.6	5.07	
Lenovo	<a href="#">Ideapad 500-15</a>		0.97		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="#">G50</a>		0.98		15.11 x 10.4	157.1	5.51	
Lenovo	<a href="#">Z51</a>		0.97		15.12 x 10.43	157.7	5.07	
Lenovo	<a href="#">Flex 3 (15 inch)</a>		0.87		15.16 x 10.04	152.2	5	
Lenovo	<a href="#">Y50 Touch (six various models all match the criteria)</a>		0.9		15.23 x 10.37	157.9	5.7	
Lenovo	<a href="#">Y50-70 UHD (six various models all match the criteria)</a>		0.9		15.23 x 10.37	157.9	5.29	
Lenovo	<a href="#">Y50</a>		0.9		15.23 x 10.37	157.9	5.29	
Lenovo	<a href="#">ThinkPad W550s</a>		0.88 (non touch) 0.92 (touch)		15 x 10.2	153	4.92	
Lenovo	<a href="#">ThinkPad L540</a>		1.22		14.84 x 9.72	144.2	5.5	
Lenovo	<a href="#">ThinkPad T550</a>		0.88		14.98 x 10.17	152.3	5	
Lenovo	<a href="#">ThinkPad T540p</a>		1.09		14.82 x 9.76	144.6	5.5	
Samsung	<a href="#">ATIV Book 9</a>		0.59		14.74 x 9.84	145	3.92	
Samsung	<a href="#">ATIV Book 9 Pro</a>		0.7		14.72 x 9.83	144.7	4.45	

Brand	Model	Thickness		Dimensions		total area (sq. in.)	Weight	
		mm	inches	mm	inches		lbs	kg
Toshiba	<a href="#">Tecra W50</a>		1.09-1.37		15 x 10	150	6	
Toshiba	<a href="#">Tecra A50</a>		0.95		14.9 x 10.2	151.9	5	
Toshiba	<a href="#">Tecra Z50</a>		0.8		14.9 x 9.9	147.5	3.24 (website) 4.1 (pdf document)	

Figure 2: Dimensional information. All links and data current as of 02/05/2016.

Brand	Model	Screen	Screen Resolution		Pixels
			Vertical	Horizontal	
Dell	<a href="#">XPS 15 (berlinetta)</a>				
Acer	<a href="#">Aspire E1 (E1-532-4629)</a> <a href="#">(E1-532-4870)</a> <a href="#">(E1-532-2635)</a>	15.6	1,366	768	1,049,088
Acer	<a href="#">Aspire E1 (E1-572-6484)</a>	15.6	1,366	768	1,049,088
Acer	<a href="#">Aspire E (ES1-512-25TP)</a> <a href="#">(ES1-512-C5S4)</a> <a href="#">(ES1-512-C1W0)</a> <a href="#">(ES1-512-P7TZ)</a> <a href="#">(ES1-512-C4DW)</a> <a href="#">(ES1-512-P18H)</a>	15.6	1,366	768	1,049,088
Acer	<a href="#">Aspire E (ES1-520-36SP)</a>	15.6	1,366	768	1,049,088
Acer	<a href="#">Aspire E (ES1-521-266Z)</a>	15.6	1,366	768	1,049,088
Acer	<a href="#">Aspire E (ES1-531-P0JJ)</a> <a href="#">(ES1-531-C3KX)</a>	15.6	1,366	768	1,049,088
Acer	<a href="#">Aspire E (E5-521-435W)</a> <a href="#">(E5-521-8948)</a>	15.6	1,366	768	1,049,088
Acer	<a href="#">Aspire E (E5-531P-P3Z4)</a>	15.6	1,366	768	1,049,088
Acer	<a href="#">Aspire E (E5-531-C01E)</a> <a href="#">(E5-531-P4SQ)</a>	15.6	1,366	768	1,049,088
Acer	<a href="#">Aspire E (E5-551-T8JG)</a> <a href="#">(E5-551-T1Z2)</a>	15.6	1,366	768	1,049,088

Brand	Model	Screen	Screen Resolution		Pixels
			Vertical	Horizontal	
Acer	<a href="#">Aspire E (E5-571P-568M)</a> <a href="#">(E5-571P-5390)</a> <a href="#">(E5-571P-7256)</a> <a href="#">(E5-571P-30QR)</a>	15.6	1,366	768	1,049,088
Acer	<a href="#">Aspire E (E5-551-T5SN)</a> <a href="#">(E5-571-30F1)</a> <a href="#">(E5-571-38KJ)</a> <a href="#">(E5-571-5940)</a>	15.6	1,366	768	1,049,088
Acer	<a href="#">Aspire E (E5-571-71ME)</a> <a href="#">(E5-511-P1RJ)</a>	15.6	1,366	768	1,049,088
Acer	<a href="#">Aspire E (E5-571-74F7)</a>	15.6	1,920	1,080	2,073,600
Acer	<a href="#">Aspire E (E5-571-33BV)</a> <a href="#">(E5-571-58CG)</a> <a href="#">(E5-511-C33M)</a>	15.6	1,366	768	1,049,088
Acer	<a href="#">Aspire E (E5-573-5653)</a>	15.6	1,920	1,080	2,073,600
Acer	<a href="#">Aspire E (E5-573-35AQ)</a> <a href="#">(E5-573-516D)</a> <a href="#">(E5-573-754K)</a> <a href="#">(E5-573-57DV)</a> <a href="#">(E5-573-3870)</a> <a href="#">(E5-573-30CW)</a> <a href="#">(E5-573-35JQ)</a> <a href="#">(E5-573-39K5)</a> <a href="#">(E5-573T-5521)</a> <a href="#">(E5-573T-58C1)</a> <a href="#">(E5-532-C7AV)</a>	15.6	1,366	768	1,049,088



Brand	Model	Screen	Screen Resolution		Pixels
			Vertical	Horizontal	
	<a href="#">(E5-532-C0K3)</a> <a href="#">(E5-532-C1PC)</a> <a href="#">(E5-532-C9YY)</a> <a href="#">(E5-532-C7K4)</a> <a href="#">(E5-573-395Q)</a> <a href="#">(E5-573T-5935)</a>				
Acer	Aspire E <a href="#">(E5-532-C0K3)</a> <a href="#">(E5-532-C1PC)</a> <a href="#">(E5-532-C9YY)</a> <a href="#">(E5-532-C7K4)</a> <a href="#">(E5-532-C5BS)</a> <a href="#">(E5-573T-59RC)</a>	15.6	1,366	768	1,049,088
Acer	Aspire E <a href="#">(E5-532-P3B0)</a>	15.6	1,366	768	1,049,088
Acer	Aspire E <a href="#">(E5-574-53QS)</a> <a href="#">(E5-573-35SJ)</a> <a href="#">(E5-573-50TV)</a> <a href="#">(E5-573-35JA)</a> <a href="#">(E5-522-86NJ)</a> <a href="#">(E5-573T-57FZ)</a> <a href="#">(E5-573-58FN)</a> <a href="#">(E5-573-79D7)</a>	15.6	1,366	768	1,049,088
Acer	Aspire E <a href="#">(E5-573-77S3)</a> <a href="#">(E5-573-73NV)</a> <a href="#">(E5-573-79MK)</a>	15.6	1,920	1,080	2,073,600
Acer	Aspire E <a href="#">(E5-572G-72M5)</a>	15.6	1,366	768	1,049,088
Acer	Aspire E <a href="#">(E5-573G-57UU)</a>	15.6	1,366	768	1,049,088

Brand	Model	Screen	Screen Resolution		Pixels
			Vertical	Horizontal	
	<a href="#">(E5-573G-59C3)</a> <a href="#">(E5-573G-5698)</a>				
Acer	<a href="#">Aspire E</a> <a href="#">(E5-573G-57HR)</a>	15.6	1,920	1,080	2,073,600
Acer	<a href="#">Aspire E</a> <a href="#">(E5-573G-56RG)</a>	15.6	1,920	1,080	2,073,600
Acer	<a href="#">Aspire E</a> <a href="#">(E5-573TG-78KZ)</a> <a href="#">(E5-573-57QE)</a> <a href="#">(E5-573-59NL)</a>	15.6	1,366	768	1,049,088
Acer	<a href="#">Aspire E</a> <a href="#">(E5-573G-52G3)</a>	15.6	1,920	1,080	2,073,600
Acer	<a href="#">Aspire E</a> <a href="#">(E5-574G-71WB)</a> <a href="#">(E5-574G-52QU)</a> <a href="#">(E5-573G-7034)</a> <a href="#">(E5-573G-79JP)</a> <a href="#">(E5-573G-79HX)</a>	15.6	1,920	1,080	2,073,600
Acer	<a href="#">Aspire F 15</a> <a href="#">(F5-571T-569T)</a>	15.6	1,366	768	1,049,088
Acer	<a href="#">Aspire F 15</a> <a href="#">(F5-572-57T8)</a> <a href="#">(F5-572-74DZ)</a>	15.6	1,920	1,080	2,073,600
Acer	<a href="#">Aspire R7</a> <a href="#">(R7-572-5893)</a>	15.6	1,920	1,080	2,073,600
Acer	<a href="#">Aspire V</a> <a href="#">(V3-572P-326T)</a> <a href="#">(V3-572P-594C)</a>	15.6	1,366	768	1,049,088
Acer	<a href="#">Aspire V</a> <a href="#">(V3-572PG-7915)</a>	15.6	1,366	768	1,049,088
Acer	<a href="#">Aspire V 15</a> <a href="#">(V3-575G-57CN)</a>	15.6	1,366	768	1,049,088

Brand	Model	Screen	Screen Resolution		Pixels
			Vertical	Horizontal	
Acer	<a href="#">Aspire V 15 (V3-574TG-749V)</a>	15.6	1,366	768	1,049,088
Acer	<a href="#">Aspire V 15 (V3-575-57MJ)</a>	15.6	1,366	768	1,049,088
Acer	<a href="#">Aspire V 15 (V3-575T-53BP)</a> <a href="#">(V3-575-51A0)</a> <a href="#">(V3-575T-7008)</a>	15.6	1,920	1,080	2,073,600
Acer	<a href="#">Aspire V 15 (V3-575-50TD)</a>	15.6	1,366	768	1,049,088
Acer	<a href="#">Aspire V Nitro (VN7-571-72LE)</a> <a href="#">(VN7-571-74D1)</a>	15.6	1,920	1,080	2,073,600
Acer	<a href="#">Aspire V Nitro (VN7-571G-7160)</a> <a href="#">(VN7-571G-76RC)</a>	15.6	1,920	1,080	2,073,600
Acer	<a href="#">Aspire V Nitro (VN7-571G-7561)</a> <a href="#">(VN7-571G-59NE)</a>	15.6	1,366	768	1,049,088
Acer	<a href="#">Aspire V Nitro (VN7-571G-719D)</a> <a href="#">(VN7-571G-50VG)</a>	15.6	1,920	1,080	2,073,600
Acer	<a href="#">Aspire V Nitro (VN7-591G-79YZ)</a> <a href="#">(VN7-591G-729V)</a>	15.6	3,840	2,160	8,294,400
Acer	<a href="#">Aspire V Nitro (VN7-572TG-775T)</a>	15.6	1,920	1,080	2,073,600
Acer	<a href="#">Aspire V Nitro (VN7-572G-53E7)</a> <a href="#">(VN7-572G-7178)</a>	15.6	1,920	1,080	2,073,600
Acer	<a href="#">Aspire V Nitro (VN7-572G-75N7)</a>	15.6	1,920	1,080	2,073,600

Brand	Model	Screen	Screen Resolution		Pixels
			Vertical	Horizontal	
Acer	<a href="#">Aspire V Nitro (VN7-591G-70RT)</a> <a href="#">(VN7-591G-77FS)</a>	15.6	1,920	1,080	2,073,600
Acer	<a href="#">Aspire V Nitro (VN7-591G-76TR)</a>	15.6	1,920	1,080	2,073,600
Acer	<a href="#">Aspire V Nitro (VN7-591G-792U)</a>	15.6	1,920	1,080	2,073,600
Acer	<a href="#">Aspire V Nitro (VN7-592G-71ZL)</a> <a href="#">(VN7-592G-77LB)</a> <a href="#">(VN7-592G-70EN)</a>	15.6	1,920	1,080	2,073,600
Acer	<a href="#">Aspire V Nitro (VN7-592G-788W)</a>	15.6	3,840	2,160	8,294,400
Apple	<a href="#">MacBook Pro with Retina Display</a>	15.4	2,880	1,800	5,184,000
ASUS	<a href="#">D550MA</a>	15.6	1,366	768	1,049,088
ASUS	<a href="#">K501LX</a> <a href="#">K501UX</a>	15.6	1,920	1,080	2,073,600
ASUS	<a href="#">N550JX</a>	15.6	1,920	1,080	2,073,600
ASUS	<a href="#">N550JV</a>	15.6	1,920	1,080	2,073,600
ASUS	<a href="#">N551JQ</a>	15.6	1,920	1,080	2,073,600
ASUS	<a href="#">N551JM</a>	15.6	1,920	1,080	2,073,600
ASUS	<a href="#">ROG GL551JW</a>	15.6	1,920	1,080	2,073,600
ASUS	<a href="#">ROG GL552VW</a>	15.6	1,920	1,080	2,073,600
ASUS	<a href="#">X550CC</a>	15.6	N/A	N/A	#VALUE!
ASUS	<a href="#">X550ZA</a>	15.6	1,920	1,080	2,073,600
ASUS	<a href="#">X550JX</a>	15.6	1,920	1,080	2,073,600
ASUS	<a href="#">X551MAV</a>	15.6	1,366	768	1,049,088
ASUS	<a href="#">X551CA</a>	15.6	1,366	768	1,049,088
ASUS	<a href="#">X552WA</a>	15.6	1,366	768	1,049,088

Brand	Model	Screen	Screen Resolution		Pixels
			Vertical	Horizontal	
ASUS	<a href="#">X555LA</a>	15.6	1,366	768	1,049,088
ASUS	<a href="#">Zenbook NX500</a>	15.6	1,920	1,080	2,073,600
ASUS	<a href="#">ZenBook Pro UX501VW</a>	15.6	3,840	2,160	8,294,400
Fujitsu	<a href="#">Lifebook A514</a>	15.6	1,366	768	1,049,088
Fujitsu	<a href="#">Lifebook A555</a>	15.6	1,920	1,080	2,073,600
Fujitsu	<a href="#">Lifebook A556/G</a>	15.6	1,920	1,080	2,073,600
Fujitsu	<a href="#">Lifebook E754</a>	15.6	1,920	1,080	2,073,600
Fujitsu	<a href="#">Lifebook E756</a>	15.6	1,920	1,080	2,073,600
Fujitsu	<a href="#">Lifebook E554</a>	15.6	1,920	1,080	2,073,600
Fujitsu	<a href="#">Lifebook E556</a>	15.6	1,920	1,080	2,073,600
HP	<a href="#">15t</a>	15.6	1,366	768	1,049,088
HP	<a href="#">15z</a>	15.6	1,366	768	1,049,088
HP	<a href="#">Elitebook 850 G2</a>	15.6	1,920	1,080	2,073,600
HP	<a href="#">Elitebook 850 G3</a>	15.6	3,840	2,160	8,294,400
HP	<a href="#">EliteBook 755 G2</a>	15.6	1,920	1,080	2,073,600
HP	<a href="#">EliteBook 755 G3</a>	15.6	1,920	1,080	2,073,600
HP	<a href="#">250 G4</a>	15.6	1,366	768	1,049,088
HP	<a href="#">255 G3</a>	15.6	1,366	768	1,049,088
HP	<a href="#">255 G4</a>	15.6	1,366	768	1,049,088
HP	<a href="#">355 G2</a>	15.6	1,366	768	1,049,088
HP	<a href="#">ENVY 15t</a>	15.6	1,920	1,080	2,073,600
HP	<a href="#">ENVY 15z</a>	15.6	1,920	1,080	2,073,600
HP	<a href="#">ENVY - 15t Slim Quad</a>	15.6	1,920	1,080	2,073,600
HP	<a href="#">ENVY - 15 (ah155nr)</a>	15.6	1,366	768	1,049,088
HP	<a href="#">ENVY x360 - 15 (w155nr)</a>	15.6	1,920	1,080	2,073,600

Brand	Model	Screen	Screen Resolution		Pixels
			Vertical	Horizontal	
HP	<a href="#">ENVY x360 - 15t</a>	15.6	1,920	1,080	2,073,600
HP	<a href="#">HP OMEN - 15t Quad</a>	15.6	1,920	1,080	2,073,600
HP	<a href="#">Pavilion 15</a>	15.6	1,920	1,080	2,073,600
HP	<a href="#">Pavilion 15t</a>	15.6	1,920	1,080	2,073,600
HP	<a href="#">Pavilion 15z</a>	15.6	1,920	1,080	2,073,600
HP	<a href="#">ProBook 450 G2</a>	15.6	1,920	1,080	2,073,600
HP	<a href="#">ProBook 450 G3</a>	15.6	1,920	1,080	2,073,600
HP	<a href="#">ProBook 455 G3</a>	15.6	1,366	768	1,049,088
HP	<a href="#">Probook 650 G1</a>	15.6	1,920	1,080	2,073,600
HP	<a href="#">Probook 650 G2</a>	15.6	1,366	768	1,049,088
HP	<a href="#">Probook 655 G1</a>	15.6	1,920	1,080	2,073,600
HP	<a href="#">Spectre x360 - 15t</a>	15.6	3,840	2,160	8,294,400
HP	<a href="#">ZBook 15 G2</a>	15.6	3,200	1,800	5,760,000
HP	<a href="#">Zbook 15 G3</a>	15.6	1,920	1,080	2,073,600
HP	<a href="#">ZBook 15u G2</a>	15.6	1,920	1,080	2,073,600
HP	<a href="#">Zbook 15u G3</a>	15.6	3,840	2,160	8,294,400
HP	<a href="#">Zbook Studio G3</a>	15.6	3,840	2,160	8,294,400
Lenovo	<a href="#">U530 Touch</a>	15.6	1,920	1,080	2,073,600
Lenovo	<a href="#">Ideapad 100-15</a>	15.6	1,366	768	1,049,088
Lenovo	<a href="#">Ideapad 300-15</a>	15.6	1,920	1,080	2,073,600
Lenovo	<a href="#">Ideapad 500-15</a>	15.6	1,920	1,080	2,073,600
Lenovo	<a href="#">Ideapad Y700-15</a>	15.6	3,840	2,160	8,294,400
Lenovo	<a href="#">G50</a>	15.6	1,366	768	1,049,088
Lenovo	<a href="#">Z51</a>	15.6	1,920	1,080	2,073,600
Lenovo	<a href="#">Flex 3 (15 inch)</a>	15.6	1,920	1,080	2,073,600
Lenovo	<a href="#">Y50 Touch (six various models all match the criteria)</a>	15.6	1,920	1,080	2,073,600

Brand	Model	Screen	Screen Resolution		Pixels
			Vertical	Horizontal	
Lenovo	<a href="#">Y50-70 UHD (six various models all match the criteria)</a>	15.6	3,840	2,160	8,294,400
Lenovo	<a href="#">Y50</a>	15.6	1,920	1,080	2,073,600
Lenovo	<a href="#">ThinkPad W550s</a>	15.6	2,880	1,620	4,665,600
Lenovo	<a href="#">ThinkPad L540</a>	15.6	1,920	1,080	2,073,600
Lenovo	<a href="#">ThinkPad T550</a>	15.6	2,880	1,620	4,665,600
Lenovo	<a href="#">ThinkPad T540p</a>	15.6	2,880	1,620	4,665,600
Samsung	<a href="#">ATIV Book 9</a>	15.6	1,920	1,080	2,073,600
Samsung	<a href="#">ATIV Book 9 Pro</a>	15.6	3,840	2,160	8,294,400
Toshiba	<a href="#">Tecra W50</a>	15.6	1,920	1,080	2,073,600
Toshiba	<a href="#">Tecra A50</a>	15.6	1,920	1,080	2,073,600
Toshiba	<a href="#">Tecra Z50</a>	15.6	1,920	1,080	2,073,600

Figure 3: Display information. All links and data current as of 02/05/2016.

Brand	Model	Processor	Graphics Card
Dell	XPS 15	6th generation Intel Core processors up to quad-core i7	NVIDIA® GeForce® GTX 960M
Acer	<a href="#">Aspire V Nitro (VN7-571G-719D)</a> <a href="#">(VN7-571G-50VG)</a>	Intel Core i7-4720HQ	NVIDIA GeForce GTX 950M with 4GB Dedicated Memory
Acer	<a href="#">Aspire V Nitro (VN7-591G-79YZ)</a> <a href="#">(VN7-591G-729V)</a>	Intel Core i7-4720HQ	NVIDIA GeForce GTX 960M with 4GB Dedicated Memory
Acer	<a href="#">Aspire V Nitro (VN7-591G-70RT)</a> <a href="#">(VN7-591G-77FS)</a>	Intel Core i7-4720HQ	NVIDIA GeForce GTX 960M with 4GB Dedicated Memory
Acer	<a href="#">Aspire V Nitro (VN7-591G-76TR)</a>	Intel Core i7-4720HQ	NVIDIA GeForce GTX 960M with 4GB Dedicated Memory
Acer	<a href="#">Aspire V Nitro (VN7-591G-792U)</a>	Intel Core i7-4720HQ	NVIDIA GeForce GTX 960M with 2GB Dedicated Memory
Acer	<a href="#">Aspire V Nitro (VN7-592G-71ZL)</a> <a href="#">(VN7-592G-77LB)</a> <a href="#">(VN7-592G-70EN)</a>	Intel Core i7-6700HQ	NVIDIA GeForce GTX 960M with 4GB Dedicated Memory
Acer	<a href="#">Aspire V Nitro (VN7-592G-788W)</a>	Intel Core i7-6700HQ	NVIDIA GeForce GTX 960M with 4GB Dedicated Memory
Apple	<a href="#">MacBook Pro with Retina Display</a>	Intel Core i7-4870HQ	AMD Radeon R9 M370X with 2GB of GDDR5 memory
ASUS	<a href="#">N550JX</a>	Intel Core i7 4720HQ Intel Core i5 4200H	NVIDIA GeForce GTX 950M with 2GB/4GB DDR3
ASUS	<a href="#">N550JV</a>	Intel Core i7 4700HQ	NVIDIA GeForce GT 750M with 2GB/4GB DDR3
ASUS	<a href="#">N551JQ</a>	Intel Core i7 4710HQ	NVIDIA GeForce GT 845M with 2GB DDR3 VRAM
ASUS	<a href="#">N551JM</a>	Intel Core i7 4710HQ Intel Core i5 4200H	NVIDIA GeForce GTX860M 2G/4G GDDR5
ASUS	<a href="#">ROG GL551JW</a>	Intel Core i7 4720HQ	NVIDIA GeForce GTX 960M with 2G GDDR5
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="#">X550JX</a>	Intel Core i7 4720HQ Intel Core i5 4200H	NVIDIA GeForce GTX 950M with 2GB/4GB DDR3



Brand	Model	Processor	Graphics Card
ASUS	<a href="#">Zenbook NX500</a>	Intel Core i7 4712HQ	NVIDIA GeForce GTX 850M 2GB GDDR5 VRAM
ASUS	<a href="#">ZenBook Pro UX501VW</a>	Intel Core i7 6700HQ	NVIDIA GeForce GTX 960M with 2G/4G GDDR5
HP	<a href="#">ENVY - 15t Slim Quad</a>	Intel Core i7-6700HQ	NVIDIA GeForce GTX 950M 4GB
HP	<a href="#">HP OMEN - 15t Quad</a>	Intel Core i7-4720HQ	NVIDIA GeForce GTX 960M 2GB/4GB
HP	<a href="#">Pavilion 15</a>	Intel Core i5-6300HQ Intel Core i7-6700HQ	NVIDIA GeForce GTX 950M 4GB Discrete Graphics
HP	<a href="#">Zbook 15 G3</a>	Intel Core i5-6440HQ Intel Core i7-6820HQ	AMD FirePro W5170M Graphics NVIDIA Quadro M1000M Graphics NVIDIA Quadro M2000M Graphics
HP	<a href="#">Zbook Studio G3</a>	Intel Core i7-6820HQ Intel Core i7-6700HQ	NVIDIA Quadro M1000M 4GB
Lenovo	<a href="#">Ideapad Y700-15</a>	Intel Core i7-6700HQ	NVIDIA GTX 960M 4 GB GDDR5
Lenovo	<a href="#">Y50 Touch (six various models all match the criteria)</a>	Intel Core i7-4720HQ	NVIDIA GeForce GTX 860M 4GB
Lenovo	<a href="#">Y50-70 UHD (six various models all match the criteria)</a>	Intel Core i7-4710HQ	NVIDIA GeForce GTX 860M 4GB
Lenovo	<a href="#">Y50</a>	Intel Core i7-4710HQ Intel Core i7-4700HQ	NVIDIA GeForce GTX 860M 2GB/4GB
Samsung	<a href="#">ATIV Book 9 Pro</a>	Intel Core i7 6700HQ	NVIDIA GeForce GTX 950M 2GB

Figure 4: Processor and graphics card information for the performance-class laptops. All links and data current as of 02/05/2016.

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