

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 08/12/2016 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 notebook¹
- is the smallest 15.6-inch notebook
- has a 5.4 percent smaller footprint than the MacBook Pro® with Retina® Display (15-inch)²
- is the lightest performance-class 15-inch notebook³

Brand	Model	Battery info	Battery life claims
Dell	XPS 15	6 cell Lithium Ion 84Wh	17 hours
Acer	Aspire E1 (E1-532-4629)	4 cell Lithium Ion 2500 mAh	4 hours
Acer	Aspire E (E5-521-83CV) (E5-521-26LT)	6 cell Lithium Ion 5000 mAh	8 hours
Acer	Aspire E (E5-521-435W)	6 cell Lithium Ion 2500 mAh	No official claim. Notebook Check claims 7 hours, 7 minutes while web surfing.
Acer	Aspire E (E5-531P-P3Z4)	6 cell Lithium Ion 4700 mAh	No official claim. SuperBiiz claims 7 hours.
Acer	Aspire E (E5-531-C01E) (E5-531-P4SQ)	6 cell Lithium Ion 2500 mAh	No official claim. Google claims 7 hours.

¹ Fujitsu claims an 18-hour battery life for one of their notebooks with a single battery, but uses MobileMark 2007 as a battery life test. Because the benchmark is no longer officially supported, we have excluded the Fujitsu system from the battery life comparison.

² Used in this report, the term “footprint” refers to the total surface area of the notebook.

³ 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	Aspire E (E5-551-T8JG)	6 cell Lithium Ion 5000 mAh	5 hours
Acer	Aspire E (E5-575T-314W)	6 cell Lithium Ion 2800 mAh	8 hours
Acer	Aspire E (E5-532-C7AU) (E5-532-C0K3) (E5-532-C1PC) (E5-532-C9YY) (E5-532-C7K4) (E5-532-C5BS) (E5-573-395Q) (E5-573-52US)	4 cell Lithium Ion 2500 mAh	5 hours
Acer	Aspire E (E5-532-P4H0) (E5-574-53QS) (E5-574-58JM) (E5-573-35JA) (E5-573-50PS) (E5-573-P0DP) (E5-573T-57FZ) (E5-532-P3D4) (E5-522-82C2) (E5-573-378G) (E5-552-T75L)	4 cell Lithium Ion 2520 mAh	No official claim. No 3rd party claim found.
Acer	Aspire E (E5-573G-79HX)	4 cell Lithium Ion 2520 mAh	No official claim. No 3rd party claim found.
Acer	Aspire E (E5-575G-5341) (E5-575G-58UJ)	6 cell Lithium Ion 2800 mAh	No official claim. Teradatariver claims 8 hours (Laptop Mag Battery Test).
Acer	Aspire E (E5-575G-52RJ)	4-cell Lithium Ion 2800 mAh	No official claim. No 3rd party claim found.

Brand	Model	Battery info	Battery life claims
Acer	Aspire E (E5-575-79EP) (E5-575-51GG) (E5-553G-F55F) (E5-553-T2XN)	4-cell Lithium Ion 2800 mAh	No official claim. No 3rd party claim found.
Acer	Aspire E (ES1-512-25TP) (ES1-512-C1PW)	3 cell Lithium Ion 3220 mAh	7 hours
Acer	Aspire E (E5-575-54E8) (E5-575-54SM) (E5-553-14YR) (E5-553-13AB) (E5-523-93FV) (E5-523-95RZ) (E5-553-102Z) (E5-553-11PT) (E5-523-97JY)	4-cell Lithium Ion 2800 mAh	No official claim. No 3rd party claim found.
Acer	Aspire ES (ES1-521-852R)	3 cell Lithium Ion 3490 mAh	5.50 hours
Acer	Aspire ES (ES1-531-P0JJ) (ES1-531-C2KX) (ES1-531-C1GF)	3 cell Lithium Ion 3490 mAh	6 hours
Acer	Aspire ES (ES1-571-C7N9) (ES1-571-P1MG) (ES1-571-33BQ) (ES1-571-C4E2) (ES1-571-30XX) (ES1-571-31XM)	3 cell Lithium Ion 3220 mAh	5 hours

Brand	Model	Battery info	Battery life claims
Acer	Aspire ES (ES1-572-357C) (ES1-572-31XL) (ES1-572-59E8)	4 cell Lithium Ion 3220 mAh	6.5 hours
Acer	Aspire F 15 (F5-571-50PF) (F5-571T-58AL) (F5-571T-783Z)	4 cell Lithium Ion 2520 mAh	5 hours
Acer	Aspire F 15 (F5-572-57T8) (F5-572-74DZ)	4 cell Lithium Ion 2520 mAh	No official claim. Laptop Suggest claims 6.5 hours.
Acer	Aspire F 15 (F5-573-505W)	4 cell Lithium Ion 2800 mAh	No official claim. No 3rd party claim found.
Acer	Aspire F 15 (F5-573-50JZ) (F5-573-57R7)	4 cell Lithium Ion 2800 mAh	No official claim. No 3rd party claim found.
Acer	Aspire F 15 (F5-573G-7791) (F5-573G-56CG) (F5-573G-78R2)	4 cell Lithium Ion 2800 mAh	No official claim. No 3rd party claim found.
Acer	TravelMate P6 (TMP658-MG-749P)	3 cell Lithium Ion 4850 mAh	No official claim. Icecat claims 8 hours.
Acer	TravelMate P6 (TMP658-M-70S3)	3 cell Lithium Ion 4850 mAh	No official claim. Amazon claims 10 hours.
Acer	TravelMate P6 (TMP658-M-50NJ) (TMP658-M-59SY)	3 cell Lithium Ion 4850 mAh	No official claim. Icecat claims 8 hours.
Acer	Aspire V (V3-572-75D2)	6 cell Lithium Ion 5000 mAh	No official claim. Buydig.com claims 7 hours.
Acer	Aspire V (V3-572PG-546C) (V3-572PG-7915)	6 cell Lithium Ion 4700 mAh	No official claim No 3rd party claims

Brand	Model	Battery info	Battery life claims
Acer	Aspire V (V3-575TG-700T)	4 cell Lithium Ion 2520 mAh	No official claim No 3rd party claims
Acer	Aspire V 15 (V3-575-57MJ)	4 cell Lithium Ion 2520 mAh	No official claim No 3rd party claims
Acer	Aspire V (V3-575T-71U5)	4 cell Lithium Ion 2520 mAh	6 hours
Acer	Aspire E (E5-575G-5341) (E5-575G-58UJ)	6 cell Lithium Ion 2800 mAh	No official claim No 3rd party claims
Acer	Aspire E (E5-553G-1986)	6 cell Lithium Ion 2800 mAh	No official claim No 3rd party claims
Acer	Aspire V 15 (V5-591G-55PV) (V5-591G-75YR) (V5-591G-74MJ)	6 cell Lithium Ion 5040 mAh	No official claim No 3rd party claims
Acer	Aspire V Nitro (VN7-571-72LE) (VN7-571-74D1)	3-cell 4605 mAh Lithium Ion	No official claim. Fry's Home Electronics claims 8 hours.
Acer	Aspire V Nitro (VN7-571G-76RC)	3-cell 4605 mAh Lithium Ion	9 hours
Acer	Aspire V Nitro (VN7-571G-719D) (VN7-571G-50VG)	3 cell 4450 mAh Lithium Ion	No official claim No 3rd party claims
Acer	Aspire V Nitro (VN7-572TG-775T)	3 cell	No official claim No 3rd party claims
Acer	Aspire V Nitro (VN7-572G-53E7) (VN7-572G-7178)	3-cell 4605 mAh Lithium Ion	8 hours
Acer	Aspire V Nitro (VN7-572G-75N7)	3-cell 4605 mAh Lithium Ion	7.5 hours
Acer	Aspire V Nitro (VN7-591G-792U)	3 cell 4450 mAh Lithium Ion	No official claim. Newegg claims up to 3 hours.

Brand	Model	Battery info	Battery life claims
Acer	Aspire V Nitro (VN7-592G-71ZL) (VN7-592G-77LB) (VN7-592G-70EN) (VN7-592G-79X4) (VN7-592G-58C3) (VN7-592G-7015) (VN7-592G-72VQ)	3-cell 4605 mAh Lithium Ion	6 hours
Acer	Aspire V Nitro (VN7-592G-788W)	3-cell 4605 mAh Lithium Ion	No official claim. Amazon claims up to 6 hours.
Acer	Predator 15	8-cell 6000 mAh Lithium Ion	6 hours
Apple	MacBook Pro with Retina Display	99.5 Whr Lithium-polymer battery	9 hours wireless web; 9 hours iTunes movie playback; 30 days of standby time
ASUS	ROG GL552VW	4 cell 3200 mAh 48 Whrs	No official claim. Trusted Reviews claims 3.5 hours.
ASUS	ROG GL502VT	4 cell	6 hours web browsing
ASUS	ROG STRIX GL502VY	4 cell	No official claim. LAPTOP Magazine claims 5 hours, 56 minutes.
ASUS	F555UA	2 cell 37 Whrs Lithium-Polymer	No official claim. 9 to 5 Gadgets claims 4 hours.
ASUS	X555YA	2 cell 37 Whrs Lithium-Polymer	No official claim. The Source claims 5 hours.
ASUS	K501UX K501LX	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	X555LA	2-cell 37 Whrs Polymer	No official claim. LAPTOP Magazine claims 5 hours, 55 minutes with WiFi web surfing.
ASUS	X550ZA	4-cell 44 Whrs Lithium-Polymer	No official claim. Tech for Pennies claims 4 hours.

Brand	Model	Battery info	Battery life claims
ASUS	ZenBook Pro UX501VW	96 Whrs	6 hours Office Productivity 6.2 hours Web Browsing 6 hours Video Playback
Fujitsu	Lifebook A556/G	Li-Ion battery 3-cell, 4170 mAh, 45 Wh	8.5h (MobileMark 2014)
Fujitsu	Lifebook A555	Li-Ion battery 6-cell, 4500 mAh, 48 Wh	11h (Mobile Mark 2014)
Fujitsu	Lifebook E754	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	9 hours 30 mins (first battery 63 Wh) MM2007 18 hours (first battery 72 Wh) MM2007 25 hours (first battery + 2nd battery) MM2007
Fujitsu	Lifebook E756	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 (first battery) MM2014 19 hours (first battery + 2nd battery) MM2014
Fujitsu	Lifebook E554	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
Fujitsu	Lifebook E556	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	250 G5 (W0S97UT#ABA) (W0S98UT#ABA)	4-cell, 41 Wh Li-ion	7 hours
HP	250 G5 (W0S61UT#ABA) (W0S60UT#ABA)	4-cell, 41 Wh Li-ion	9 hours and 30 minutes

Brand	Model	Battery info	Battery life claims
HP	255 G5	4-cell, 41 Wh Li-ion	9 hours and 30 minutes
HP	Elitebook 850 G3	3-cell, 46 WHr Li-ion polymer	12 hours 30 minutes
HP	EliteBook 755 G2	3-cell, 50 WHr Li-ion	9 hours and 45 minutes.
HP	EliteBook 755 G3	3-cell, 46 WHr Li-ion polymer	8 hours
HP	ENVY	3-cell 52 WHr Lithium-ion Battery	7 hours
HP	ProBook 450 G3	4-Cell (44 WHr) Lithium-Ion Battery 6-cell (55 WHr) Battery Long Life	No official claim. Notebook Check claims 5 hours, 37 minutes during video playback, and 5 hours, 9 minutes over WiFi.
HP	ProBook 455 G3	4-Cell (44 WHr) Lithium-Ion Battery 6-cell (55 WHr) Battery Long Life	No official claim No 3rd party claims
HP	ProBook 655 G2	3 Cell (48 WHr)	No official claim. Staples claims 10 hours, 15 minutes.
HP	Zbook 15 G3	9 Cell 90 WHr Long Life	No official claim. LAPTOP Magazine claims 5 hours, 8 minutes.
HP	Zbook 15u G3	3-cell 46 WHr Li-ion prismatic	No official claim. Notebook Check claims 5 hours, 12 minutes over WiFi.
HP	Zbook Studio G3	4-cell 64 WHr Li-ion prismatic	No official claim No 3rd party claims
Lenovo	Ideapad 110	24WHr	3 Hours
Lenovo	Ideapad 310	2 Cell 30 Watt Hour Li-Cylindrical	5 Hours
Lenovo	Ideapad 510	2 Cell 39 Watt Hour Li-Polymer	5 hours
Lenovo	Ideapad 700-15	3 cell 45 Watt Hour Li-Polymer	4 Hours
Lenovo	Ideapad Y700 Touch	4 Cell 60 WHr	No official claim. LAPTOP Magazine claims 4 hours, 16 minutes.

Brand	Model	Battery info	Battery life claims
Lenovo	ThinkPad P50	6 cell 90 Watt Hour Li-Polymer	No official claim. Notebook Check claims 14 hours (Battery Eater Reader's Test).
Lenovo	ThinkPad P50s	ThinkPad Battery 3 cell Li-Polymer (44Whr) Front 3 Cell Li-Ion Battery 23.2WH Rear	10 hours
Lenovo	ThinkPad E560	Li-Ion 6-cell (48Wh)	9 hours
Lenovo	ThinkPad T560	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	ThinkPad L560	Li-Ion 6-cell (48Wh)	9.5 hours
Lenovo	Ideapad Y700-15	4 Cell 60 WHr	5 hours
Lenovo	Z50	4 Cell 32 Watt Hour Li-Cylindrical	5 hours
Samsung	Notebook 5 NP500R5L-M02US	43Wh	No official claim No 3rd party claim
Samsung	Notebook 9 NP900X5L-K02US	4 cell 39Whr	12 hours (MM2007)
Samsung	Notebook 9 Pro NP940Z5L-X01US	4 cell 57Whr	6.5 hours (MM2014)
Toshiba	Tecra C50 C1500 C1502 01301H	Lithium Ion (45Wh, 4-cell)—*Not user replaceable	No official claim. Laptop6 claims 7.97 hours (MM2014).
Toshiba	Tecra A50 C1540 03P01G 02J01E	Lithium Ion (45Wh, 4-cell)—*Not user replaceable	No official claim. LAPTOP Magazine claims 6 hours (Laptop Mag Battery Test, web surfing over WiFi).
Toshiba	Tecra Z50 C1550 034007	4-cell 45 Wh	8.33 (MM2014)

Figure 1: Battery information. All links and data current as of 08/12/2016.

Brand	Model	Thickness		Dimensions		total area (sq. in.)	Weight	
		mm	inches	mm	inches		lbs	kg
Dell	XPS 15	12.0 - 17.0	0.46 - 0.66	357 x 235	14.06 x 9.25	130.055	4.09	1.85
Acer	Aspire E1 (E1-532-4629)		0.48 - 1.0		15 x 10.1	151.5	5.18	
Acer	Aspire E (E5-521-83CV) (E5-521-26LT)		1.0-1.19		15 x 10.1	151.5	5.51	
Acer	Aspire E (E5-521-435W)		1.0-1.19		15 x 10.1	151.5	5.51	
Acer	Aspire E (E5-531P-P3Z4)		0.97-1.29		15 x 10.1	151.5	5.95	
Acer	Aspire E (E5-531-C01E) (E5-531-P4SQ)		0.96-1.19		15 x 10.1	151.5	5.51	
Acer	Aspire E (E5-551-T8JG)		1.0-1.19		15 x 10.1	151.5	5.51	
Acer	Aspire E (E5-575T-314W)		0.94-1.19		15 x 10.2	153	4.92	
Acer	Aspire E (E5-532-C7AU) (E5-532-C0K3) (E5-532-C1PC) (E5-532-C9YY) (E5-532-C7K4) (E5-532-C5BS) (E5-573-395Q) (E5-573-52US)		0.98-1.15		15 x 10.1	151.5	5.29	
Acer	Aspire E (E5-532-P4H0) (E5-574-53QS)		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
	(E5-574-58JM) (E5-573-35JA) (E5-573-50PS) (E5-573-P0DP) (E5-573T-57FZ) (E5-532-P3D4) (E5-522-82C2) (E5-573-378G) (E5-552-T75L)							
Acer	Aspire E (E5-573G-79HX)		0.98-1.15		15 x 10.1	151.5	5.29	
Acer	Aspire E (E5-575G-53VG) (E5-575G-76YK)		0.94-1.19		15 x 10.2	153	5.27	
Acer	Aspire E (E5-575G-52RJ)		0.94-1.19		15 x 10.2	153	4.92	
Acer	Aspire E (E5-575-79EP) (E5-575-51GG) (E5-553G-F55F) (E5-553-T2XN)		0.94-1.19		15 x 10.2	153	4.92	
Acer	Aspire E (ES1-512-25TP) (ES1-512-C1PW)		1.0-1.03		15 x 10.2	153	5.29	
Acer	Aspire E (E5-575-54E8) (E5-575-54SM) (E5-553-14YR) (E5-553-13AB) (E5-523-93FV) (E5-523-95RZ) (E5-553-102Z)		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
	(E5-553-11PT) (E5-523-97JY)							
Acer	Aspire ES (ES1-521-852R)		1.07		15 x 10.2	153	5.29	
Acer	Aspire ES (ES1-531-P0JJ) (ES1-531-C2KX) (ES1-531-C1GF)		1.03		15 x 10.2	153	5.29	
Acer	Aspire ES (ES1-571-C7N9) (ES1-571-P1MG) (ES1-571-33BQ) (ES1-571-C4E2) (ES1-571-30XX) (ES1-571-31XM)		1.03-1.07		15 x 10.2	153	5.29	
Acer	Aspire ES (ES1-572-357C) (ES1-572-31XL) (ES1-572-59E8)		0.97		15 x 10.2	153	5.29	
Acer	Aspire F 15 (F5-571-50PF) (F5-571T-58AL) (F5-571T-783Z)		0.98-1.15		15 x 10.1	151.5	5.29	
Acer	Aspire F 15 (F5-572-57T8) (F5-572-74DZ)		0.98-1.15		15 x 10.1	151.5	5.29	
Acer	Aspire F 15 (F5-573-505W)		0.91-1.12		15 x 10.2	153	5.07	
Acer	Aspire F 15 (F5-573-50JZ) (F5-573-57R7)		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	Aspire F 15 (F5-573G-7791) (F5-573G-56CG) (F5-573G-78R2)		0.91-1.12		15 x 10.2	153	5.07	
Acer	TravelMate P6 (TMP658-MG-749P)		0.88		15 x 10	150	5.07	
Acer	TravelMate P6 (TMP658-M-70S3)		0.88		15 x 10	150	5.07	
Acer	TravelMate P6 (TMP658-M-50NJ) (TMP658-M-59SY)		0.88		15 x 10	150	5.07	
Acer	Aspire V (V3-572-75D2)		1 - 1.19		15 x 10.1	151.5	5.62	
Acer	Aspire V (V3-572PG-546C) (V3-572PG-7915)		1.04 - 1.24		15 x 10.1	151.5	6.06	
Acer	Aspire V (V3-575TG-700T)		0.94-1.12		15 x 10.2	153	5.29	
Acer	Aspire V 15 (V3-575-57MJ)		0.94-1.12		15 x 10.2	153	5.29	
Acer	Aspire V (V3-575T-71U5)		0.94-1.12		15 x 10.2	153	5.29	
Acer	Aspire E (E5-575G-5341) (E5-575G-58UJ)		0.94-1.19		15 x 10.2	153	5.27	
Acer	Aspire E (E5-553G-1986)		0.94-1.19		15 x 10.2	153	5.27	
Acer	Aspire V 15 (V5-591G-55PV) (V5-591G-75YR) (V5-591G-74MJ)		1.08-1.19		15 x 10.2	153	5.29	

Brand	Model	Thickness		Dimensions		total area (sq. in.)	Weight	
		mm	inches	mm	inches		lbs	kg
Acer	Aspire V Nitro (VN7-571-72LE) (VN7-571-74D1)		0.86-0.94		15.3 x 10.1	154.5	5.29	
Acer	Aspire V Nitro (VN7-571G-76RC)		0.86-0.94		15.3 x 10.1	154.5	5.29	
Acer	Aspire V Nitro (VN7-571G-719D) (VN7-571G-50VG)		0.86-0.94		15.3 x 10.1	154.5	5.29	
Acer	Aspire V Nitro (VN7-572TG-775T)		1.02		15.4 x 10.3	158.6	5.29	
Acer	Aspire V Nitro (VN7-572G-53E7) (VN7-572G-7178)		0.94		15.4 x 10.3	158.6	5.29	
Acer	Aspire V Nitro (VN7-572G-75N7)		0.94		15.4 x 10.3	158.6	5.29	
Acer	Aspire V Nitro (VN7-591G-792U)		0.86-0.94		15.3 x 10.1	154.5	5.29	
Acer	Aspire V Nitro (VN7-592G-71ZL) (VN7-592G-77LB) (VN7-592G-70EN) (VN7-592G-79X4) (VN7-592G-58C3) (VN7-592G-7015) (VN7-592G-72VQ)		0.9		15.4 x 10.3	158.6	5.07	
Acer	Aspire V Nitro (VN7-592G-788W)		0.9		15.4 x 10.3	158.6	5.07	
Acer	Predator 15		1.5		15.4 x 11.8	181.7	7.5	
Apple	MacBook Pro with Retina Display	18	0.71	358.9 x 247.1	14.13 x 9.73	137.48	4.49	2.04
ASUS	ROG GL552VW		1.29-1.37		15.2 x 10.1	153.52	5.6	
ASUS	ROG GL502VT		0.92		14.35 x 10.47	150.2	4.4	

Brand	Model	Thickness		Dimensions		total area (sq. in.)	Weight	
		mm	inches	mm	inches		lbs	kg
ASUS	ROG STRIX GL502VY		1.18		15.35 x 10.47	160.7	4.9	
ASUS	F555UA		1		15.0 x 10.1	151.5	5.07	
ASUS	X555YA		1.01		15.03 x 10.07	151.4	4.85	
ASUS	K501UX K501LX		0.85		15 x 10	150	4.4	
ASUS	X555LA		1		15 x 10.1	151.5	5	
ASUS	X550ZA		0.98		14.96 x 9.88	147.8	4.98	
ASUS	ZenBook Pro UX501VW		0.81-0.84		15.07 x 10.04	151.3	4.54	
Fujitsu	Lifebook A556/G		1.03		14.88 x 10.08	149.9	5.1	
Fujitsu	Lifebook A555		1.22		14.88 x 10.08	149.9	5.3	
Fujitsu	Lifebook E754		0.78-1.06		14.72 x 9.84	144.8	4.2	
Fujitsu	Lifebook E756		0.78-1.06		14.72 x 9.84	144.8	4.2	
Fujitsu	Lifebook E554		0.95-1.23		14.72 x 9.84	144.8	4.9	
Fujitsu	Lifebook E556		0.95-1.23		14.72 x 9.84	144.8	4.9	
HP	250 G5 (W0S97UT#ABA) (W0S98UT#ABA)		0.96		15.13 x 10.02	151.6	4.32	
HP	250 G5 (W0S61UT#ABA) (W0S60UT#ABA)		0.96		15.13 x 10.02	151.6	4.73	
HP	255 G5		0.96		15.13 x 10.02	151.6	4.32	
HP	Elitebook 850 G3		0.76 (non-touch) 0.82 (touch)		15.09 x 10.1	152.4	4.1 (non-touch) 4.54 (touch)	
HP	EliteBook 755 G2		0.84 (non-touch) 1.01 (touch)		14.78 x 9.98	147.5	4.19 (non touch) 4.68 (touch)	

Brand	Model	Thickness		Dimensions		total area (sq. in.)	Weight	
		mm	inches	mm	inches		lbs	kg
HP	EliteBook 755 G3		0.76 (non-touch) 0.82 (touch)		15.09 x 10.1	152.4	4.1 (non touch) 4.54 (touch)	
HP	ENVY		0.71		14.96 x 10.04	150.2	4.4	
HP	ProBook 450 G3		0.94-0.98 (non touch) 1.00-1.04 (tough)		14.88 x 10.41 (non-touch) 14.88 x 10.42 (touch)	154.9 (non-touch) 155.0 (touch)	4.56	
HP	ProBook 455 G3		0.94-0.98		14.88 x 10.41	154.9	4.74	
HP	ProBook 655 G2		1.07		14.88 x 10.11	150.4	5.1	
HP	Zbook 15 G3		1		15.2 x 10.4	158.1	5.8	
HP	Zbook 15u G3		0.78		15.09 x 10.1	152.4	4.18	
HP	Zbook Studio G3		0.71		14.76 x 10.04	148.2	4.4	
Lenovo	Ideapad 110		0.9		14.88 x 10.43	155.2	4.8	
Lenovo	Ideapad 310		0.9		14.92 x 10.24	152.8	4.8	
Lenovo	Ideapad 510		0.9		14.92 x 10.24	152.8	4.63	
Lenovo	Ideapad 700-15		0.89		15.12 x 10.43	157.7	5.1	
Lenovo	Ideapad Y700 Touch		1.02		15.23 x 10.90	166	5.7	
Lenovo	ThinkPad P50		1.02		14.86 x 9.93	147.6	5.6	
Lenovo	ThinkPad P50s		0.88		14.98 x 10.17	152.3	5.27	
Lenovo	ThinkPad E560		0.94-1.07		14.84 x 10.04	148.9	5.2	
Lenovo	ThinkPad T560		0.88		14.98 x 10.16	152.2	5	
Lenovo	ThinkPad L560		1.09		14.84 x 10.04	148.9	5.2	
Lenovo	Ideapad Y700-15		1.02		15.23 x 10.90	166	5.7	
Lenovo	Z50		0.98		15.11 x 10.43	157.6	5.5	
Samsung	Notebook 5 NP500R5L-M02US		0.82		14.76 x 9.76	144.1	4.19	

Brand	Model	Thickness		Dimensions		total area (sq. in.)	Weight	
		mm	inches	mm	inches		lbs	kg
Samsung	Notebook 9 NP900X5L-K02US		0.57		13.64 x 9.32	127.1	2.9	
Samsung	Notebook 9 Pro NP940Z5L-X01US		0.7		14.72 x 9.83	144.7	4.45	
Toshiba	Tecra C50 C1500 C1502 01301H		0.95		14.9 x 10.2	151.9	4.96	
Toshiba	Tecra A50 C1540 03P01G 02J01E		0.9		14.9 x 10.2	151.9	4.96	
Toshiba	Tecra Z50 C1550 034007		0.95		14.9 x 10.2	151.9	4.61	

Figure 2: Dimensional information. All links and data current as of 08/12/2016.

Brand	Model	Screen	Screen Resolution		Pixels
			Vertical	Horizontal	
Dell	XPS 15	15.6	3,840	2,160	8,294,400
Acer	Aspire E1 (E1-532-4629)	15.6	1,366	768	1,049,088
Acer	Aspire E (E5-521-83CV) (E5-521-26LT)	15.6	1,366	768	1,049,088
Acer	Aspire E (E5-521-435W)	15.6	1,366	768	1,049,088
Acer	Aspire E (E5-531P-P3Z4)	15.6	1,366	768	1,049,088
Acer	Aspire E (E5-531-C01E) (E5-531-P4SQ)	15.6	1,366	768	1,049,088
Acer	Aspire E (E5-551-T8JG)	15.6	1,366	768	1,049,088
Acer	Aspire E (E5-575T-314W)	15.6	1,366	768	1,049,088
Acer	Aspire E (E5-532-C7AU) (E5-532-C0K3) (E5-532-C1PC) (E5-532-C9YY) (E5-532-C7K4) (E5-532-C5BS) (E5-573-395Q) (E5-573-52US)	15.6	1,366	768	1,049,088
Acer	Aspire E (E5-532-P4H0) (E5-574-53QS) (E5-574-58JM) (E5-573-35JA) (E5-573-50PS)	15.6	1,366	768	1,049,088

Brand	Model	Screen	Screen Resolution		Pixels
			Vertical	Horizontal	
	(E5-573-P0DP) (E5-573T-57FZ) (E5-532-P3D4) (E5-522-82C2) (E5-573-378G) (E5-552-T75L)				
Acer	Aspire E (E5-573G-79HX)	15.6	1,920	1,080	2,073,600
Acer	Aspire E (E5-575G-53VG) (E5-575G-76YK)	15.6	1,920	1,080	2,073,600
Acer	Aspire E (E5-575G-52RJ)	15.6	1,920	1,080	2,073,600
Acer	Aspire E (E5-575-79EP) (E5-575-51GG) (E5-553G-F55F) (E5-553-T2XN)	15.6	1,920	1,080	2,073,600
Acer	Aspire E (ES1-512-25TP) (ES1-512-C1PW)	15.6	1,366	768	1,049,088
Acer	Aspire E (E5-575-54E8) (E5-575-54SM) (E5-553-14YR) (E5-553-13AB) (E5-523-93FV) (E5-523-95RZ) (E5-553-102Z) (E5-553-11PT) (E5-523-97JY)	15.6	1,366	768	1,049,088
Acer	Aspire ES (ES1-521-852R)	15.6	1,366	768	1,049,088

Brand	Model	Screen	Screen Resolution		Pixels
			Vertical	Horizontal	
Acer	Aspire ES (ES1-531-P0JJ) (ES1-531-C2KX) (ES1-531-C1GF)	15.6	1,366	768	1,049,088
Acer	Aspire ES (ES1-571-C7N9) (ES1-571-P1MG) (ES1-571-33BQ) (ES1-571-C4E2) (ES1-571-30XX) (ES1-571-31XM)	15.6	1,366	768	1,049,088
Acer	Aspire ES (ES1-572-357C) (ES1-572-31XL) (ES1-572-59E8)	15.6	1,366	768	1,049,088
Acer	Aspire F 15 (F5-571-50PF) (F5-571T-58AL) (F5-571T-783Z)	15.6	1,366	768	1,049,088
Acer	Aspire F 15 (F5-572-57T8) (F5-572-74DZ)	15.6	1,920	1,080	2,073,600
Acer	Aspire F 15 (F5-573-505W)	15.6	1,366	768	1,049,088
Acer	Aspire F 15 (F5-573-50JZ) (F5-573-57R7)	15.6	1,920	1,080	2,073,600
Acer	Aspire F 15 (F5-573G-7791) (F5-573G-56CG) (F5-573G-78R2)	15.6	1,920	1,080	2,073,600
Acer	TravelMate P6 (TMP658-MG-749P)	15.6	1,920	1,080	2,073,600

Brand	Model	Screen	Screen Resolution		Pixels
			Vertical	Horizontal	
Acer	TravelMate P6 (TMP658-M-70S3)	15.6	1,920	1,080	2,073,600
Acer	TravelMate P6 (TMP658-M-50NJ) (TMP658-M-59SY)	15.6	1,366	768	1,049,088
Acer	Aspire V (V3-572-75D2)	15.6	1,920	1,080	2,073,600
Acer	Aspire V (V3-572PG-546C) (V3-572PG-7915)	15.6	1,366	768	1,049,088
Acer	Aspire V (V3-575TG-700T)	15.6	1,920	1,080	2,073,600
Acer	Aspire V 15 (V3-575-57MJ)	15.6	1,366	768	1,049,088
Acer	Aspire V (V3-575T-71U5)	15.6	1,920	1,080	2,073,600
Acer	Aspire E (E5-575G-5341) (E5-575G-58UJ)	15.6	1,920	1,080	2,073,600
Acer	Aspire E (E5-553G-1986)	15.6	1,920	1,080	2,073,600
Acer	Aspire V 15 (V5-591G-55PV) (V5-591G-75YR) (V5-591G-74MJ)	15.6	1,920	1,080	2,073,600
Acer	Aspire V Nitro (VN7-571-72LE) (VN7-571-74D1)	15.6	1,920	1,080	2,073,600
Acer	Aspire V Nitro (VN7-571G-76RC)	15.6	1,920	1,080	2,073,600

Brand	Model	Screen	Screen Resolution		Pixels
			Vertical	Horizontal	
Acer	Aspire V Nitro (VN7-571G-719D) (VN7-571G-50VG)	15.6	1,920	1,080	2,073,600
Acer	Aspire V Nitro (VN7-572TG-775T)	15.6	1,920	1,080	2,073,600
Acer	Aspire V Nitro (VN7-572G-53E7) (VN7-572G-7178)	15.6	1,920	1,080	2,073,600
Acer	Aspire V Nitro (VN7-572G-75N7)	15.6	1,920	1,080	2,073,600
Acer	Aspire V Nitro (VN7-591G-792U)	15.6	1,920	1,080	2,073,600
Acer	Aspire V Nitro (VN7-592G-71ZL) (VN7-592G-77LB) (VN7-592G-70EN) (VN7-592G-79X4) (VN7-592G-58C3) (VN7-592G-7015) (VN7-592G-72VQ)	15.6	1,920	1,080	2,073,600
Acer	Aspire V Nitro (VN7-592G-788W)	15.6	3,840	2,160	8,294,400
Acer	Predator 15	15.6	1,920	1,080	2,073,600
Apple	MacBook Pro with Retina Display	15.4	2,880	1,800	5,184,000
ASUS	ROG GL552VW	15.6	1,920	1,080	2,073,600
ASUS	ROG GL502VT	15.6	1,920	1,080	2,073,600
ASUS	ROG STRIX GL502VY	15.6	1,920	1,080	2,073,600
ASUS	F555UA	15.6	1,366	768	1,049,088
ASUS	X555YA	15.6	1,920	1,080	2,073,600
ASUS	K501UX K501LX	15.6	1,920	1,080	2,073,600

Brand	Model	Screen	Screen Resolution		Pixels
			Vertical	Horizontal	
ASUS	X555LA	15.6	1,366	768	1,049,088
ASUS	X550ZA	15.6	1,366	768	1,049,088
ASUS	ZenBook Pro UX501VW	15.6	3,840	2,160	8,294,400
Fujitsu	Lifebook A556/G	15.6	1,920	1,080	2,073,600
Fujitsu	Lifebook A555	15.6	1,366	768	1,049,088
Fujitsu	Lifebook E754	15.6	1,920	1,080	2,073,600
Fujitsu	Lifebook E756	15.6	1,920	1,080	2,073,600
Fujitsu	Lifebook E554	15.6	1,920	1,080	2,073,600
Fujitsu	Lifebook E556	15.6	1,920	1,080	2,073,600
HP	250 G5 (W0S97UT#ABA) (W0S98UT#ABA)	15.6	1,366	768	1,049,088
HP	250 G5 (W0S61UT#ABA) (W0S60UT#ABA)	15.6	1,920	1,080	2,073,600
HP	255 G5	15.6	1,920	1,080	2,073,600
HP	Elitebook 850 G3	15.6	3,840	2,160	8,294,400
HP	EliteBook 755 G2	15.6	1,920	1,080	2,073,600
HP	EliteBook 755 G3	15.6	1,920	1,080	2,073,600
HP	ENVY	15.6	1,920	1,080	2,073,600
HP	ProBook 450 G3	15.6	1,920	1,080	2,073,600
HP	ProBook 455 G3	15.6	1,366	768	1,049,088
HP	ProBook 655 G2	15.6	1,920	1,080	2,073,600
HP	Zbook 15 G3	15.6	3,840	2,160	8,294,400
HP	Zbook 15u G3	15.6	3,840	2,160	8,294,400
HP	Zbook Studio G3	15.6	3,840	2,160	8,294,400
Lenovo	Ideapad 110	15.6	1,366	768	1,049,088
Lenovo	Ideapad 310	15.6	1,366	768	1,049,088

Brand	Model	Screen	Screen Resolution		Pixels
			Vertical	Horizontal	
Lenovo	Ideapad 510	15.6	1,920	1,080	2,073,600
Lenovo	Ideapad 700-15	15.6	1,920	1,080	2,073,600
Lenovo	Ideapad Y700 Touch	15.6	3,840	2,160	8,294,400
Lenovo	ThinkPad P50	15.6	3,840	2,160	8,294,400
Lenovo	ThinkPad P50s	15.5	2,880	1,620	4,665,600
Lenovo	ThinkPad E560	15.6	1,920	1,080	2,073,600
Lenovo	ThinkPad T560	15.5	2,560	1,440	3,686,400
Lenovo	ThinkPad L560	15.6	1,920	1,080	2,073,600
Lenovo	Ideapad Y700-15	15.6	3,840	2,160	8,294,400
Lenovo	Z50	15.6	1,920	1,080	2,073,600
Samsung	Notebook 5 NP500R5L-M02US	15.6	1,920	1,080	2,073,600
Samsung	Notebook 9 NP900X5L-K02US	15	1,920	1,080	2,073,600
Samsung	Notebook 9 Pro NP940Z5L-X01US	15.6	3,840	2,160	8,294,400
Toshiba	Tecra C50 C1500 C1502 01301H	15.6	1,366	768	1,049,088
Toshiba	Tecra A50 C1540 03P01G 02J01E	15.6	1,366	768	1,049,088
Toshiba	Tecra Z50 C1550 034007	15.6	1,920	1,080	2,073,600

Figure 3: Display information. All links and data current as of 08/12/2016.

Brand	Model	Processor	Graphics Card
Dell	XPS 15	6th generation Intel Core processors up to quad-core i7	NVIDIA® GEFORCE® GTX 960M
Acer	Aspire E (E5-573G-79HX)	Intel Core i7-6500U Intel Core i5-6200U Intel Core i7-5500U	NVIDIA GeForce 940M with 4 GB Dedicated Memory
Acer	Aspire E (E5-575G-53VG) (E5-575G-76YK)	Intel Core i5-6200U Intel Core i7-6500U	NVIDIA GeForce 940MX with 2 GB Dedicated Memory
Acer	Aspire E (E5-575G-52RJ)	Intel Core i5-6200U	NVIDIA GeForce 940M with 2 GB Dedicated Memory
Acer	Aspire F 15 (F5-573G-7791) (F5-573G-56CG) (F5-573G-78R2)	Intel Core i7-6500U Intel Core i5-6200U	NVIDIA GeForce 940MX with 4 GB Dedicated Memory
Acer	TravelMate P6 (TMP658-MG-749P)	Intel Core i7-6500U	NVIDIA GeForce 940M with 2 GB Dedicated Memory
Acer	Aspire V (V3-572PG-546C) (V3-572PG-7915)	Intel Core i5-5200U Intel Core i7-5500U	NVIDIA GeForce 840M with 2 GB Dedicated Memory
Acer	Aspire V (V3-575TG-700T)	Intel Core i7-6500U	NVIDIA GeForce 940M with 4 GB Dedicated Memory
Acer	Aspire E (E5-575G-5341) (E5-575G-58UJ)	Intel Core i5-6200U	NVIDIA GeForce GTX 950M with 2 GB Dedicated Memory
Acer	Aspire V 15 (V5-591G-55PV) (V5-591G-75YR) (V5-591G-74MJ)	Intel Core i5-6300HQ Intel Core i7-6700HQ	NVIDIA GeForce GTX 950M with 2 GB Dedicated Memory
Acer	Aspire V Nitro (VN7-571G-76RC)	Intel Core i7-5500U	NVIDIA GeForce 940M with 2 GB Dedicated Memory
Acer	Aspire V Nitro (VN7-571G-719D) (VN7-571G-50VG)	Intel Core i7-4720HQ Intel Core i5-5200U	NVIDIA GeForce GTX 950M with 4GB Dedicated Memory

Brand	Model	Processor	Graphics Card
Acer	Aspire V Nitro (VN7-572TG-775T)	Intel Core i7-6500U	NVIDIA GeForce GTX 950M with 4 GB Dedicated Memory
Acer	Aspire V Nitro (VN7-572G-53E7) (VN7-572G-7178)	Intel Core i5-6200U Intel Core i7-6500U	NVIDIA GeForce 945M with 2 GB Dedicated Memory
Acer	Aspire V Nitro (VN7-572G-75N7)	Intel Core i7-6500U	NVIDIA GeForce 945M with 2 GB Dedicated Memory
Acer	Aspire V Nitro (VN7-591G-792U)	Intel Core i7-4720HQ	NVIDIA GeForce GTX 960M with 2GB Dedicated Memory
Acer	Aspire V Nitro (VN7-592G-71ZL) (VN7-592G-77LB) (VN7-592G-70EN) (VN7-592G-79X4) (VN7-592G-58C3) (VN7-592G-7015) (VN7-592G-72VQ)	Intel Core i7-6700HQ	NVIDIA GeForce GTX 960M with 4GB Dedicated Memory
Acer	Aspire V Nitro (VN7-592G-788W)	Intel Core i7-6700HQ	NVIDIA GeForce GTX 960M with 4GB Dedicated Memory
Acer	Predator 15	Intel Core i7-6700HQ	NVIDIA GeForce GTX 980M with 4GB Dedicated Memory
Apple	MacBook Pro with Retina Display	Intel Core i7-4870HQ	AMD Radeon R9 M370X with 2GB of GDDR5 memory
ASUS	ROG GL552VW	Intel Core i5 6300HQ Intel Core i7 6700HQ	NVIDIA GeForce GTX 960M with 2G/4G GDDR5 VRAM
ASUS	ROG STRIX GL502VY	Intel Core i7 6700HQ	NVIDIA GeForce GTX 980M with 4G/8G GDDR5 VRAM
ASUS	K501UX K501LX	Intel Core i3 5010U (K501LX) Intel Core i5 5200U (K501LX) Intel Core i7 5500U (K501LX) Intel Core i5 6200U (K501UX) Intel Core i7 6500U (K501UX)	NVIDIA GeForce GTX 950M with 2GB/4GB DDR3 VRAM
ASUS	ZenBook Pro UX501VW	Intel Core i7 6700HQ	NVIDIA GeForce GTX 960M with 2G/4G GDDR5
HP	Zbook 15 G3	Intel Core i5-6440HQ Intel Core i7-6820HQ Intel Xeon E3-1505M	AMD FirePro W5170M Graphics NVIDIA Quadro M1000M Graphics NVIDIA Quadro M2000M Graphics

Brand	Model	Processor	Graphics Card
HP	Zbook 15u G3	Intel Core i7-6500U Intel Core i7-6600U Intel Core i5-6300U Intel Core i5-6200U	AMD FirePro W4190M 2 GB
HP	Zbook Studio G3	Intel Xeon E3-1545M Intel Xeon E3-1505M Intel Core i7-6820HQ Intel Core i7-6700HQ	NVIDIA Quadro M1000M 4GB
Lenovo	Ideapad 510	Intel Core i7-6500U	NVIDIA GeForce 940MX 4GB
Lenovo	Ideapad 700-15	Intel Core i7-6700HQ	NVIDIA GeForce GTX950 4 GB
Lenovo	Ideapad Y700 Touch	Up to 6th Generation Intel® Quad-Core i7 Processor	NVIDIA GeForce GTX960M 4 GB
Lenovo	ThinkPad P50	Intel Xeon E3-1505M v5	NVIDIA Quadro M2000M
Lenovo	ThinkPad P50s	Intel Core i5-6300U Intel Core i7-6500U Intel Core i7-6600U	NVIDIA Quadro M500M 2GB
Lenovo	Ideapad Y700-15	Intel Core i7-6700HQ	NVIDIA GTX 960M 4 GB GDDR5
Samsung	Notebook 9 Pro NP940Z5L-X01US	Intel Core i7 6700HQ	NVIDIA GeForce GTX 950M 2GB

Figure 4: Processor and graphics card information. All links and data current as of 08/12/2016.

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