

COMPARISON OF 15-INCH CLASS LAPTOPS

We compared the Dell™ XPS™ 15 with other 15-inch-class laptops. These include devices from Acer®, Aorus®, Apple®, ASUS®, Fujitsu®, HP, Lenovo®, Sager®, Samsung®, and Toshiba®. The tables below compare the systems using publicly available data at each vendor’s respective website. We gathered this data on 11/10/2017 at the links provided.

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

- has the longest battery life of any 15-inch laptop
- is the smallest 15.6-inch laptop¹

Brand	Model	Battery info	Battery life claims
Dell	XPS 15	6-cell Lithium ion 97Wh	19.5 hours
Dell	XPS 15	6-cell Lithium Ion 97Wh	19.5 hours
Acer	Aspire 3 (A315-21-95KF)	2-cell Lithium Ion 4810 mAh	5.5 hours
Acer	Aspire 3 (A315-51-31GK) (A315-31-C514) (A315-51-31RD) (A315-31-C8WK) (A315-51-580N) (A315-51-51SL) (A315-31-POSY) (A315-31-C58L) (A315-51-380T) (A315-51-CODT) (A315-51-C06Z) (A315-51-582F) (A315-51-39CG)	2-cell Lithium Ion 4810 mAh	6.5 hours

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



Brand	Model	Battery info	Battery life claims
Acer	Aspire 3 (A315-51-533U) (A315-52-50N9)	2-cell Lithium Ion 4810 mAh	No official claim. B&H claims 6.5 hours.
Acer	Aspire 5 (A515-51G-515J) (A515-51G-89LS)	4-cell Lithium Ion 3220 mAh	7 hours
Acer	Aspire 5 (A715-71G-71NC)	4-cell 3220 mAh Li-Polymer	7 hours
Acer	Aspire 5 (A515-51-50RR) (A515-51-51LZ) (A515-51-50XZ) (A515-51G-5488)	4-cell Lithium Ion 3220 mAh	7 hours
Acer	Aspire 5 (A515-51-3509) (A515-51-563W) (A515-51-75UY) (A515-51G-58SA) (A515-51-55FD) (A515-51-7414) (A515-51-53TH) (A515-51G-52R1) (A515-51-55NB) (A515-51-89UP) (A515-51G-5536) (A515-51G-71RS)	4-cell Lithium Ion 3220 mAh	7 hours
Acer	Aspire 5 (A515-51-50XZ)	4-cell Lithium Ion 3220 mAh	7 hours
Acer	Aspire 7 (A715-71G-54Y9) (A715-71G-71L2) (A715-71G-7588)	4-cell Lithium Ion 3220 mAh	7 hours

Brand	Model	Battery info	Battery life claims
Acer	Aspire E (E5-575-5493)	4-cell Lithium Ion 2800 mAh	No official claim. No third party claim found.
Acer	Aspire E (E5-576G-81GD)	6-cell Lithium Ion 2800 mAh	No official claim. No third party claim found.
Acer	Aspire E (E5-576G-5762)	6-cell Lithium Ion 2800 mAh	No official claim. No third party claim found.
Acer	Aspire E (E5-575T-33CF)	6-cell Lithium Ion 2800 mAh	No official claim. No third party claim found.
Acer	Aspire E (E5-522-89W6) (E5-522-851P)	4-cell Lithium Ion 2520 mAh	No official claim. No 3rd party claim found.
Acer	Aspire E (E5-575G-57D4) (E5-575G-53VG)	6-cell Lithium Ion 2800 mAh	No official claim. TeraDataRiver claims 8 hours.
Acer	Aspire E (E5-575T-581F)	6-cell Lithium Ion 2800 mAh	No official claim
Acer	Aspire E (E5-575G-562T)	6-cell Lithium Ion 2800 mAh	No official claim. Newegg claims up to 12 hours.
Acer	Aspire E (E5-575G-75MD)	6-cell Lithium Ion 2800 mAh	No official claim. Laptop for Programming claims 12 hours.
Acer	Aspire E (E5-553-T5K4)	6-cell Lithium Ion 2800 mAh	No official claim. Cutting-Edge Notebook claims 8 hours, 50 minutes.
Acer	Aspire E (E5-575-33BM)	6-cell Lithium Ion 2800 mAh	No official claim. PC Verge claims 9 hours, 45 minutes.
Acer	Aspire E (E5-575G-728Q)	4-cell Lithium Ion 2800 mAh	No official claim. Newegg claims up to 8 hours.
Acer	Aspire E (E5-575-79EP) (E5-575-5493) (E5-553G-F55F) (E5-553-T2XN) (E5-523-97JY) (E5-575-72N3)	4-cell Lithium Ion 2800 mAh	No official claim. No third-party claim found.

Brand	Model	Battery info	Battery life claims
Acer	Aspire E (E5-575T-3678) (E5-575-5157) (E5-575-74RC) (E5-575G-57KJ)	4-cell Lithium Ion 2800 mAh	8 hours
Acer	Aspire ES (ES1-572-357C) (ES1-533-C55P) (ES1-533-C9D0) (ES1-572-33BP) (ES1-572-3729)	4-cell Lithium Ion 3220 mAh	6.5 hours
Acer	Aspire F 15 (F5-573-7630)	6-cell Lithium Ion 2800 mAh	Up to 12 hours
Acer	Aspire F 15 (F5-573G-7791) (F5-573G-74MV)	4-cell Lithium Ion 2800 mAh	No official claim. No third-party claim found.
Acer	Aspire F 15 (F5-573G-510L) (F5-573G-77BJ)	6-cell Lithium Ion 2800 mAh	Up to 12 hours
Acer	Aspire V Nitro (VN7-592G-788W)	3-cell 4605 mAh Lithium Ion	5 hours
Acer	Aspire V Nitro (VN7-593G-76SS) (VN7-593G-73KV) (VN7-593G-70U4)	4-cell 4605 mAh Lithium Ion	6 hours
Acer	Nitro 5 (AN515-51-75A2) (AN515-51-5594) (AN515-51-55WL) (AN515-51-78C6)	4-cell 3220 mAh Lithium Ion	8.5 hours

Brand	Model	Battery info	Battery life claims
Acer	Nitro 5 (AN515-51-504A) (AN515-51-74U4) (AN515-51-70V4) (AN515-51-53W5) (AN515-51-50PN) (AN515-51-79DZ) (AN515-51-71LP) (AN515-51-76SX) (AN515-51-56U0)	4-cell 3220 mAh Lithium Ion	7 hours
Acer	Predator 15 (G9-593-735L)	8-cell 6000 mAh Lithium Ion	3 hours
Acer	Predator 15 (G9-593-77WF) (G9-593-71EH)	8-cell 6000 mAh Lithium Ion	3 hours
Acer	Predator 15 (G9-593-73N6)	8-cell 6000 mAh Lithium Ion	3 hours
Acer	Predator Helios 300 (G3-571-77QK)	4-cell 3220 mAh Lithium Ion	7 hours
Acer	Predator Helios 300 (G3-572-72YF) (G3-572-78JY) (G3-572-7526)	4-cell 3220 mAh Lithium Ion	9 hours
Acer	Predator Triton 700 (PT715-51-732Q)	3-cell 4670 mAh Lithium Ion	No official claim. No 3rd party claims.
Acer	Aspire VX 15 (VX5-591G-75RM) (VX5-591G-7061) (VX5-591G-5652) (VX5-591G-54VG) (VX5-591G-77DE) (VX5-591G-76BV)	3-cell 4605 mAh Lithium Ion	6 hours

Brand	Model	Battery info	Battery life claims
Acer	Swift 3 (SF315-51-518S)	4-cell 3220 mAh Lithium Ion	10 hours
Acer	Swift 3 (SF315-51G-51CE)	4-cell 3220 mAh Lithium Ion	10 hours
Acer	TravelMate P6 (TMP658-MG-749P)	3-cell 4850 mAh Lithium Ion	No official claim. Amazon claims 10 hours.
Acer	TravelMate P6 (TMP658-M-70S3)	3-cell 4850 mAh Lithium Ion	No official claim. Amazon claims 10 hours.
Acer	TravelMate P6 (TMP658-M-50NJ)	3-cell 4850 mAh Lithium Ion	No official claim. Amazon claims 10 hours.
Acer	TravelMate P6 (TMP658-M-59SY)	3-cell 4850 mAh Lithium Ion	No official claim. Amazon claims 10 hours.
Aorus	X5	Li Polymer 73.26Wh	No official claim. Notebook Check claims 2 hours, 45 minutes while idle.
Aorus	X5S v5	Li Polymer 73.26Wh	No official claim. Notebook Check claims 5 hours, 13 minutes while idle.
Aorus	X5 v6	Li Polymer 94.24Wh	No official claim. Notebook Check claims 4 hours, 9 minutes while idle.
Aorus	X5 v7	Li Polymer 94.24Wh	No official claim. The Tech Report claims 2.9 hours while browsing the web.
Aorus	X5 MD	Li Polymer 94.24Wh	No official claim. Ultrabook Review claims 3 hours, 10 minutes during movie playback.
Apple	MacBook Pro with Retina Display (2015)	99.5 Whr Lithium-polymer battery	9 hours while using wireless internet. 9 hours during iTunes movie playback.
Apple	MacBook Pro	76.0 Whr Lithium-polymer battery	10 hours while using wireless internet. 10 hours during iTunes movie playback.
ASUS	ROG GL552VW	4-cell 3200 mAh 48 Whrs	No official claim. Google claims 5 hours.
ASUS	ROG GL553VD	4-cell 48 Whrs Li-ion	No official claim. PC Verge claims 4 hours, 21 minutes.
ASUS	ROG GL553VE	4-cell 48 Whrs Li-ion	No official claim. Amazon claims 5 hours.

Brand	Model	Battery info	Battery life claims
ASUS	ROG GL502VT	4-cell	6 hours while browsing the web.
ASUS	ROG GL502VS	4-cell 62 Whrs	No official claim. Engadget claims 6 hours.
ASUS	ROG GL503	4-cell 64 Whrs	No official claim. LAPTOP Magazine claims 3 hours, 32 minutes while browsing the web over WiFi.
ASUS	ROG ZEPHYRUS (GX501)	4-cell 50 Whrs Li-ion	6 hours while browsing the web.
ASUS	ROG GL502VM	4-cell	No official claim. Newegg claims up to 5 hours.
ASUS	K501UX	3-cell 48 Whrs	7.35 hours while viewing a 441-minute 1080p video.
ASUS	F555UA	2-cell 37 Whrs Lithium-Polymer	No official claim. 9-to-5 Gadgets claims 4 hours.
ASUS	X555LA	2-cell 37 Whrs Lithium-Polymer	No official claim. LAPTOP Magazine claims 5 hours, 55 minutes.
ASUS	ZenBook Pro UX510UW	48 Whrs	No official claim. Ultrabook Review claims 5 hours, 25 minutes while surfing the web over WiFi.
ASUS	ZenBook Pro UX501VW	96 Whrs	6 hours while performing office productivity tasks. 6.2 hours while browsing the web. 6 hours during video playback.
ASUS	ZenBook Pro UX501JW	6-cell 96 Whrs	No official claim. Notebook Check claims the following: <ul style="list-style-type: none"> - 6 hours, 1 minute (Reader's Test) - 3 hours, 10 minutes (Classic Test) - 4 hours, 23 minutes (WiFi Test)
ASUS	ZenBook Pro UX550VE	73Wh 8-cell	14 hours
ASUS	VivoBook S15 S510UA	3-cell 42 Whrs	No official claim. Notebook Check claims 4.5 hours of real-world WLAN use.

Brand	Model	Battery info	Battery life claims
ASUS	VivoBook S15 S510UQ	3-cell 42 Whrs	No official claim. Ultrabook Review claims the following: ~4 hours, 30 minutes during light browsing ~7 hours while viewing YouTube videos ~9 hours while viewing 1080p video in the Movie app ~7 hours, 30 minutes while viewing 4K video in the Movie app ~3 hours during heavy web browsing in Microsoft Edge ~1 hour while gaming
ASUS	VivoBook Pro 15 N580VD	3-cell 47 Whrs	No official claim. PC Verge claims 4 to 5 hours.
ASUS	VivoBook Pro N550JX	4-cell	No official claim. Laptops claims up to 5 hours.
ASUS	VivoBook Pro N551JQ	6-cell 56 Whrs	No official claim. No third-party claim.
ASUS	VivoBook Max X541UA	3-cell 36 Whrs	No official claim. Gadgets 360 claims the following: - 2 hours, 17 minutes Battery Eater Pro - 3 hours, 39 minutes PCMark Battery
ASUS	VivoBook 15 X510UQ	3-cell 42 Whrs	No official claim. No third-party claim.
ASUS	ASUSPRO P2530UA	4-cell 37 Whrs 6-cell 56 Whrs 9-cell 87 Whrs	No official claim. Amazon claims 18 hours.
ASUS	ASUSPRO P4540UQ	6-cell	No official claim. Notebook Check claims 11 hours, 28 minutes.

Brand	Model	Battery info	Battery life claims
Fujitsu	Lifebook E557	Main Li-Ion battery 6-cell, 5,800 mAh, 63 Wh High Capacity Li-Ion battery 6-cell, 6,700 mAh, 72 Wh	Up to 13 hours, 10 minutes with HD Display (500GB HDD, 63 Wh) Up to 11 hours, 20 minutes with FHD Display (500GB HDD, 63 Wh) Up to 17 hours, 30 minutes with HD Display (256GB SSD, 72 Wh) Up to 14 hours, 50 minutes with FHD Display (256GB SSD, 72 Wh)
Fujitsu	Lifebook U757	Li-Ion battery 4-cell, 50 Wh	Up to 11 hours, 20 minutes with HD Display; up to 9 hours, 10 minutes with FHD (non-touch or touchscreen)
HP	15t	4-cell (41 WHr) Lithium-ion Battery	6 hours, 15 minutes
HP	250 G6	4-cell (41 WHr) Lithium-ion Battery	12 hours
HP	OMEN 15t	4-cell (63.3 WHr) Lithium-ion Battery	Up to 8 hours, 30 minutes
HP	HP Pavilion Power Laptop - 15t Quad	4-cell (70 WHr) Lithium-ion polymer Battery	10 hours, 30 minutes FHD 8 hours, 30 minutes UHD 9 hours video playback FHD 6 hours, 45 minutes video playback UHD
HP	Pavilion 15t	3-cell (41 WHr) Lithium-ion prismatic Battery	9 hours HD 7 hours, 15 minutes FHD 8 hours, 45 minutes video playback HD 7 hours, 15 minutes video playback FHD
HP	Pavilion 15-cc555nr	3-cell (41 WHr) Lithium-ion prismatic Battery	Up to 10 hours, 15 minutes
HP	Pavilion 15-au151nr	2-cell (41 WHr) Lithium-ion	Up to 7 hours, 15 minutes
HP	EliteBook 850 G3	3-cell (46 WHr) Long Life	13 hours, 15 minutes

Brand	Model	Battery info	Battery life claims
HP	EliteBook 850 G4	3-cell (51 WHr) Lithium-Ion Battery	Up to 14 hours, 15 minutes (MM2014)
HP	Envy 15t	3-cell (52 WHr) Lithium-Ion Battery	7 hours
HP	Envy 15-as-152nr	3-cell (52 WHr) Lithium-Ion Battery	7 hours, 30 minutes
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 while using WiFi.
HP	ProBook 450 G4	3-cell (48 WHr) Long Life Li-ion	Up to 14 hours, 15 minutes
HP	ProBook 450 G5	3-cell (48 WHr) Long Life Li-ion	Up to 16 hours, 15 minutes
HP	ProBook 650 G2	3-cell (48 WHr) Long Life Li-ion	No official claim. Notebook Check claims 6 hours, 48 minutes while surfing the web using WiFi.
HP	ProBook 650 G3	3-cell (48 WHr) Long Life	Up to 13 hours, 45 minutes
HP	Zbook 15 G3	9-cell (90 WHr) Long Life	No official claim. Notebook Check claims 6 hours, 26 minutes while surfing the web using WiFi.
HP	Zbook 15u G3	3-cell 46 WHr Li-ion prismatic	No official claim. Notebook Check claims 5 hours, 12 minutes while using WiFi.
HP	Zbook 15u G4	3-cell 51 WHr Li-ion	No official claim. NothingButSavings claims 10 hours.
HP	Zbook Studio G3	4-cell 64 WHr Li-ion prismatic	No official claim. No third-party claims.
HP	Zbook Studio G4	4-cell 64 WHr Li-ion prismatic	No official claim. LAPTOP Magazine claims 4 hours, 26 minutes of continuous web surfing.
Lenovo	Ideapad 310	30Wh	Up to 5 Hours of video playback.
Lenovo	Ideapad 320s	No info	Up to 9 hours (MobileMark)
Lenovo	Ideapad 320	No info	5 hours

Brand	Model	Battery info	Battery life claims
Lenovo	Ideapad 510	2-cell 39 Watt Hour Li-Polymer	5 hours
Lenovo	Ideapad 520	2-cell 39 Watt Hour Li-Polymer	5 hours
Lenovo	Legion Y520	3-cell 45 Watt Hour Li-Polymer	Up to 4 hours
Lenovo	Legion Y720	4-cell 60 Watt Hour Li-Polymer	Up to 5 hours
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 P51	6-cell 90 Watt Hour Li-Polymer	No official claim. LAPTOP Magazine claims 8 hours, 2 minutes.
Lenovo	ThinkPad P51s	Integrated Li-Polymer 4-cell (32Wh) Optional: (48Wh or 72Wh)	No official claim. Notebook Check claims 26 hours, 21 minutes while using both the internal and external battery.
Lenovo	ThinkPad E570	Li-Ion 4-cell (41Whr)	No official claim. Connection claims 7 hours.
Lenovo	ThinkPad E575	Li-Ion 4-cell (41Whr)	6.5 hours.
Lenovo	ThinkPad T570	Integrated Li-Polymer 4-cell (32Wh) Optional: (48Wh or 72Wh)	27 hours while using the 32Whr and 72Whr batteries in conjunction.
Lenovo	ThinkPad L570	Li-Ion 6-cell (48Wh)	15.5 hours
Sager	NP9155-S	Removable 8-cell Smart Lithium-Ion battery pack 82Wh	No official claim. XOTIC PC claims 2+ hours.
Sager	NP9155	Removable 8-cell Smart Lithium-Ion battery pack 82Wh	No official claim. XOTIC PC claims 2+ hours.
Sager	NP8952	Embedded 4-cells Polymer battery pack 55WH	No official claim. XOTIC PC claims 2+ hours.
Sager	NP8157	Embedded 4-cells Polymer battery pack 60WH	No official claim. XOTIC PC claims 2+ hours.
Sager	NP7950	Removable 6-cells lithium-Ion battery pack 62WH	No official claim. XOTIC PC claims 3+ hours.

Brand	Model	Battery info	Battery life claims
Sager	NP8156	Embedded 4-cells Polymer battery pack 60WH	No official claim. Tom's Hardware claims 1.6 hours.
Sager	NP6852	Removable 6-cells Smart Lithium-Ion battery pack 62WH	No official claim. Tom's Hardware claims 1.95 hours.
Sager	NP6850	Removable 6-cells Smart Lithium-Ion battery pack 62WH	No official claim. XOTIC PC claims 2+ hours.
Sager	NP7850	Removable 6-cells Smart Lithium-Ion battery pack 62WH	No official claim. XOTIC PC claims 3+ hours.
Sager	NP5852	Removable 6-cells Smart Lithium-Ion battery pack 62WH	No official claim. XOTIC PC claims 2+ hours.
Sager	NP5855	Removable 6-cells Smart Lithium-Ion battery pack 62WH	No official claim. XOTIC PC claims 2+ hours.
Sager	NP8950	4-cells Polymer battery pack 55WH	No official claim. XOTIC PC claims 2+ hours.
Sager	NP8952	4-cells Polymer battery pack 55WH	No official claim. XOTIC PC claims 2+ hours.
Samsung	Notebook 5 NP530E5M-X02US	3-cell Li-ion 43Wh	Up to 8.5 hours (MM2014)
Samsung	Notebook 5 NP500R5L-M02US NP500R5L-M03US	43Wh	7 hours (MM2014)
Samsung	Notebook 9 NP900X5N-X01US	66Wh	No official claim. Bittenik claims up to 15 hours (MM2014)
Samsung	Notebook 9 NP900X5N-L01US	6-cell Li-ion 66 wh	No official claim. B&H claims up to 12 hours.
Samsung	Notebook 9 NP900X5L-K02US	4-cell 39Whr	12 hours (MM2007)
Samsung	Notebook 9 Pro NP940Z5L-X01US	4-cell 57Whr	6.5 hours (MM2014)
Samsung	Notebook 9 Pro NP940X5M-X01US NP940X5M-X03US	4-cell 54 Wh	11.5 hours (MM2014)

Brand	Model	Battery info	Battery life claims
Samsung	Notebook Odyssey NP800G5M-X02US NP800G5M-X01US	43 Wh	Up to 9.5 hours (MM2014)
Toshiba	Tecra C50 C1501 C1503 01301H D1512 C1510 C1511 C1513	Lithium Ion (45Wh, 4-cell)—*Not user replaceable	Up to 9.08 hours
Toshiba	Tecra A50 C1543 03P01G 02J01E D1532	Lithium Ion (45Wh, 4-cell)—*Not user replaceable	Up to 9.08 hours
Toshiba	Tecra A50 D1534 D1538	Lithium Ion (45Wh, 4-cell)—*Not user replaceable	No official claim. LAPTOP Magazine claims 5 hours, 59 minutes.
Toshiba	Tecra Z50 034007 D1552	4-cell 45 Wh	8.33 (MM2014)

Figure 1: Battery information. All links and data current as of 11/10/2017.

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	4.0	1.80
Acer	Aspire 3 (A315-21-95KF)		0.85		15.02 x 10.20	153.2	4.63	
Acer	Aspire 3 (A315-51-31GK) (A315-31-C514) (A315-51-31RD) (A315-31-C8WK) (A315-51-580N) (A315-51-51SL) (A315-31-POSY) (A315-31-C58L) (A315-51-380T) (A315-51-CODT) (A315-51-C06Z) (A315-51-582F) (A315-51-39CG)		0.85		15.02 x 10.20	153.2	4.63	
Acer	Aspire 3 (A315-51-533U) (A315-52-50N9)		0.85		15.02 x 10.20	153.2	4.63	
Acer	Aspire 5 (A515-51G-515J) (A515-51G-89LS)		0.82		15.02 x 10.35	155.47	4.85	
Acer	Aspire 5 (A715-71G-71NC)		0.94		15.02 x 10.35	155.47	5.29	
Acer	Aspire 5 (A515-51-50RR) (A515-51-51LZ) (A515-51-50XZ) (A515-51G-5488)		0.85		15.02 x 10.35	155.5	4.85	

Brand	Model	Thickness		Dimensions		total area (sq. in.)	Weight	
		mm	inches	mm	inches		lbs	kg
Acer	Aspire 5 (A515-51-3509) (A515-51-563W) (A515-51-75UY) (A515-51G-58SA) (A515-51-55FD) (A515-51-7414) (A515-51-53TH) (A515-51G-52R1) (A515-51-55NB) (A515-51-89UP) (A515-51G-5536) (A515-51G-71RS)		0.85		15.02 x 10.35	155.5	4.85	
Acer	Aspire 5 (A515-51-50XZ)		0.85		15.02 x 10.35	155.5	4.63	
Acer	Aspire 7 (A715-71G-54Y9) (A715-71G-71L2) (A715-71G-7588)		0.94		15.02 x 10.35	155.5	5.29	
Acer	Aspire E (E5-575-5493)		1.19		15.02 x 10.2	153.2	4.92	
Acer	Aspire E (E5-576G-81GD)		1.19		15.02 x 10.20	153.2	5.27	
Acer	Aspire E (E5-576G-5762)		1.19		15.02 x 10.20	153.2	5.27	
Acer	Aspire E (E5-575T-33CF)		1.19		15.02 x 10.20	153.2	5.29	
Acer	Aspire E (E5-522-89W6) (E5-522-851P)		1.15		15.02 x 10.08	151.4	5.29	

Brand	Model	Thickness		Dimensions		total area (sq. in.)	Weight	
		mm	inches	mm	inches		lbs	kg
Acer	Aspire E (E5-575G-57D4) (E5-575G-53VG)		1.19		15.02 x 10.2	153.2	5.27	
Acer	Aspire E (E5-575T-581F)		1.19		15.02 x 10.2	153.2	5.27	
Acer	Aspire E (E5-575G-562T)		1.19		15.02 x 10.2	153.2	5.27	
Acer	Aspire E (E5-575G-75MD)		1.19		15.02 x 10.2	153.2	5.27	
Acer	Aspire E (E5-553-T5K4)		1.19		15.02 x 10.2	153.2	5.27	
Acer	Aspire E (E5-575-33BM)		1.19		15.02 x 10.2	153.2	5.27	
Acer	Aspire E (E5-575G-728Q)		1.19		15.02 x 10.2	153.2	4.92	
Acer	Aspire E (E5-575-79EP) (E5-575-5493) (E5-553G-F55F) (E5-553-T2XN) (E5-523-97JY) (E5-575-72N3)		1.19		15.02 x 10.2	153.2	4.92	
Acer	Aspire E (E5-575T-3678) (E5-575-5157) (E5-575-74RC) (E5-575G-57KJ)		1.19		15.02 x 10.2	153.2	4.92	
Acer	Aspire ES (ES1-572-357C) (ES1-533-C55P) (ES1-533-C9D0)		0.97		15.03 x 10.16	152.7	5.29	

Brand	Model	Thickness		Dimensions		total area (sq. in.)	Weight	
		mm	inches	mm	inches		lbs	kg
	(ES1-572-33BP) (ES1-572-3729)							
Acer	Aspire F 15 (F5-573-7630)		1.12		15.02 x 10.2	153.2	5.29	
Acer	Aspire F 15 (F5-573G-7791) (F5-573G-74MV)		1.12		15.02 x 10.2	153.2	5.07	
Acer	Aspire F 15 (F5-573G-510L) (F5-573G-77BJ)		1.12		15.02 x 10.2	153.2	5.29	
Acer	Aspire V Nitro (VN7-592G-788W)		0.9		15.35 x 10.35	158.9	5.07	
Acer	Aspire V Nitro (VN7-593G-76SS) (VN7-593G-73KV) (VN7-593G-70U4)		0.98		15.39 x 10.47	161.1	5.73	
Acer	Nitro 5 (AN515-51-75A2) (AN515-51-5594) (AN515-51-55WL) (AN515-51-78C6)		1.05		15.35 x 10.47	160.7	5.95	
Acer	Nitro 5 (AN515-51-504A) (AN515-51-74U4) (AN515-51-70V4) (AN515-51-53W5) (AN515-51-50PN) (AN515-51-79DZ) (AN515-51-71LP) (AN515-51-76SX) (AN515-51-56U0)		1.05		15.35 x 10.47	160.7	5.95	

Brand	Model	Thickness		Dimensions		total area (sq. in.)	Weight	
		mm	inches	mm	inches		lbs	kg
Acer	Predator 15 (G9-593-735L)		1.52		15.4 x 11.8	181.7	8.16	
Acer	Predator 15 (G9-593-77WF) (G9-593-71EH)		1.52		15.4 x 11.8	181.7	8.16	
Acer	Predator 15 (G9-593-73N6)		1.52		15.4 x 11.8	181.7	8.16	
Acer	Predator Helios 300 (G3-571-77QK)		1.05		15.4 x 10.5	161.7	5.95	
Acer	Predator Helios 300 (G3-572-72YF) (G3-572-78JY) (G3-572-7526)		1.05		15.4 x 10.5	161.7	5.95	
Acer	Predator Triton 700 (PT715-51-732Q)		0.74		15.5 x 10.5	162.8	5.29	
Acer	Aspire VX 15 (VX5-591G-75RM) (VX5-591G-7061) (VX5-591G-5652) (VX5-591G-54VG) (VX5-591G-77DE) (VX5-591G-76BV)		1.14		15.31 x 10.45	160	5.51	
Acer	Swift 3 (SF315-51-518S)		0.74		14.59 x 10.04	146.5	4.41	
Acer	Swift 3 (SF315-51G-51CE)		0.74		14.59 x 10.04	146.5	4.63	
Acer	TravelMate P6 (TMP658-MG-749P)		0.88		15 x 10.02	150.3	4.6	
Acer	TravelMate P6 (TMP658-M-70S3)		0.88		15 x 10.02	150.3	4.6	
Acer	TravelMate P6 (TMP658-M-50NJ)		0.88		15 x 10.02	150.3	4.6	

Brand	Model	Thickness		Dimensions		total area (sq. in.)	Weight	
		mm	inches	mm	inches		lbs	kg
Acer	TravelMate P6 (TMP658-M-59SY)		0.88		15 x 10.02	150.3	5.07	
Aorus	X5	22.9	0.9	390 x 272	15.35 x 10.70	164.2	5.51	
Aorus	X5S v5	22.9	0.9	390 x 272	15.35 x 10.70	164.2	5.51	
Aorus	X5 v6		0.9		15.4 x 10.7	164.8	5.51	
Aorus	X5 v7		0.9		15.4 x 10.7	164.8	5.51	
Aorus	X5 MD		0.9		15.4 x 10.7	164.8	5.51	
Apple	MacBook Pro with Retina Display (2015)	18	0.71	358.9 x 247.1	14.13 x 9.73	137.48	4.49	2.04
Apple	MacBook Pro	15.5	0.61	349.3 x 240.7	13.75 x 9.48	130.4	4.02	1.83
ASUS	ROG GL552VW		1.29-1.37		15.2 x 10.1	153.52	5.6	
ASUS	ROG GL553VD		1.18		15.07 x 10.03	151.1	5.51	
ASUS	ROG GL553VE		0.8		15.07 x 10.03	151.1	5.51	
ASUS	ROG GL502VT		0.92		14.35 x 10.47	150.2	4.4	
ASUS	ROG GL502VS		1.18		15.35 x 10.47	160.7	5.2	
ASUS	ROG GL503		0.9		15.1 x 10.3	155.5	5.1	
ASUS	ROG ZEPHYRUS (GX501)		0.67 - 0.7		14.9 x 10.3	153.5	5	
ASUS	ROG GL502VM		0.92		15.35 x 10.47	160.7	4.8	
ASUS	K501UX		0.85		15.03 x 10.03	150.7	4.4	
ASUS	F555UA		1		15.0 x 10.1	151.5	5.07	
ASUS	X555LA		1		15 x 10.1	151.5	5	
ASUS	ZenBook Pro UX510UW		0.78		15.03 x 10.03	150.7	4.4	
ASUS	ZenBook Pro UX501VW		0.81-0.84		15.07 x 10.04	151.3	4.54	
ASUS	ZenBook Pro UX501JW		0.8		15.1 x 10	151	4.5	

Brand	Model	Thickness		Dimensions		total area (sq. in.)	Weight	
		mm	inches	mm	inches		lbs	kg
ASUS	ZenBook Pro UX550VE		0.74		14.37 x 9.88	142	3.97	1.8
ASUS	VivoBook S15 S510UA		0.7		14.2 x 9.6	136.3	1.5	
ASUS	VivoBook S15 S510UQ		0.7		14.2 x 9.6	136.3	3.75	
ASUS	VivoBook Pro 15 N580VD		0.8		15 x 10	150	4.39 Non Touch 5.05 Touch	
ASUS	VivoBook Pro N550JX	27.7	1.09	383 x 255	15.07 x 10.03	151.1	5.7	
ASUS	VivoBook Pro N551JQ		0.6-1.3		15 x 10	150	6	
ASUS	VivoBook Max X541UA		1.08		15.01 x 9.90	148.6	4.4	
ASUS	VivoBook 15 X510UQ		0.76		14.2 x 9.6	136.32	3.75	
ASUS	ASUSPRO P2530UA		0.91		14.96 x 10.07	150.6	4.78	
ASUS	ASUSPRO P4540UQ		0.96		14.96 x 10.07	150.6	5.29	
Fujitsu	Lifebook E557		0.95-1.24		14.7 x 9.8	144.1	4.9	
Fujitsu	Lifebook U757		0.76		14.88 x 10.08	150	3.7	
HP	15t		0.94		14.96 x 9.99	149.5	4.21	
HP	250 G6		0.93		14.96 x 9.99	149.5	4.14	
HP	OMEN 15t		0.96		15.06 x 9.94	143.9	4.85	
HP	HP Pavilion Power Laptop - 15t Quad		0.95		14.88 x 9.93	147.8	4.87	
HP	Pavilion 15t		0.89		14.88 x 9.93	147.8	4.21	
HP	Pavilion 15-cc555nr		0.78		14.88 x 9.93	147.8	4.21	
HP	Pavilion 15-au151nr		0.89		15.06 x 9.56	143.9	4.5	
HP	EliteBook 850 G3		0.76 (non-touch) 0.82 (touch)		15.09 x 10.1	152.4	4.06 (non-touch) 4.54 (touch)	

Brand	Model	Thickness		Dimensions		total area (sq. in.)	Weight	
		mm	inches	mm	inches		lbs	kg
HP	EliteBook 850 G4		0.76 (non-touch) 0.82 (touch)		15.1 x 10.1	150.1	4.06 (non-touch) 4.54 (touch)	
HP	Envy 15t		0.71		14.96 x 10.04	150.1	4.8	
HP	Envy 15-as-152nr		0.71		14.96 x 10.04	150.1	4.32	
HP	ProBook 450 G3		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	ProBook 450 G4		0.96		15.04 x 10.35	155.6	4.49	
HP	ProBook 450 G5		0.82		14.8 x 10.4	153.9	4.64	
HP	ProBook 650 G2		1.07		14.88 x 10.11	150.4	5.1	
HP	ProBook 650 G3		1.07		14.88 x 10.11	150.4	5.1	
HP	Zbook 15 G3		1		15.2 x 10.4	158.08	5.8	
HP	Zbook 15u G3		0.78		15.09 x 10.1	152.4	4.18	
HP	Zbook 15u G4		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	
HP	Zbook Studio G4		0.71		14.76 x 10.04	148.2	4.6	
Lenovo	Ideapad 310		0.9		14.92 x 10.24	152.7	4.9	
Lenovo	Ideapad 320s		0.78		14.27 x 9.92	141.5	4.88	
Lenovo	Ideapad 320		0.9		14.9 x 10.2	152	4.85	
Lenovo	Ideapad 510		0.9		14.92 x 10.24	152.8	4.63	
Lenovo	Ideapad 520		0.9		14.89 x 10.2	151.9	4.8	
Lenovo	Legion Y520		1.09		14.96 x 10.43	156	5.29	
Lenovo	Legion Y720		1.14		14.96 x 10.9	163.1	7.05	
Lenovo	ThinkPad P50		1.02		14.86 x 9.93	147.6	5.6	
Lenovo	ThinkPad P51		0.96 - 1.02		14.86 x 9.93	147.6	5.6	
Lenovo	ThinkPad P51s		0.78 - 0.79		14.4 x 9.95	143.3	4.3	
Lenovo	ThinkPad E570		0.9		14.92 x 10.27	153.2	5.1	

Brand	Model	Thickness		Dimensions		total area (sq. in.)	Weight	
		mm	inches	mm	inches		lbs	kg
Lenovo	ThinkPad E575		1		14.92 x 10.27	153.2	5.1	
Lenovo	ThinkPad T570		0.78 - 0.80		14.4 x 9.9	142.6	4.5	
Lenovo	ThinkPad L570		1.1		14.8 x 10	148	5.24	
Sager	NP9155-S		1.5		15.20 x 10.32	156.8	7.5	
Sager	NP9155		1.5		15.20 x 10.32	156.8	7.5	
Sager	NP8952		0.73		14.96 x 9.80	146.6	4.19	
Sager	NP8157		1.13		15.16 x 10.67	166.4	5.84	
Sager	NP7950		1.44		14.88 x 10.51	156.3	5.51	
Sager	NP8156		0.98		15.16 x 10.67	161.8	5.5	
Sager	NP6852		1.06		14.88 x 10.51	156.4	5.51	
Sager	NP6850		1.06		14.88 x 10.51	156.4	5.51	
Sager	NP7850		1.18		14.88 x 10.51	156.4	5.51	
Sager	NP5852		0.98		14.88 x 10.51	156.4	5.51	
Sager	NP5855		0.98		14.88 x 10.51	156.4	5.51	
Sager	NP8950		0.73		14.96 x 9.80	146.6	4.19	
Sager	NP8952		0.73		14.96 x 9.80	146.6	4.19	
Samsung	Notebook 5 NP530E5M-X02US		0.98		14.76 x 9.76	144.1	4.37	
Samsung	Notebook 5 NP500R5L-M02US NP500R5L-M03US		0.82		14.76 x 9.76	144.1	4.19	
Samsung	Notebook 9 NP900X5N-X01US		0.61		13.70 x 9.03	123.7	2.73	
Samsung	Notebook 9 NP900X5N-L01US		0.61		13.70 x 9.03	123.7	2.6	
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	

Brand	Model	Thickness		Dimensions		total area (sq. in.)	Weight	
		mm	inches	mm	inches		lbs	kg
Samsung	Notebook 9 Pro NP940X5M-X01US NP940X5M-X03US		0.67		13.67 x 9.41	128.6	3.79	
Samsung	Notebook Odyssey NP800G5M-X02US NP800G5M-X01US		0.94		14.88 x 10.24	152.3	5.51	
Toshiba	Tecra C50 C1501 C1503 01301H D1512 C1510 C1511 C1513		0.95		14.9 x 10.2	151.9	4.96	
Toshiba	Tecra A50 C1543 03P01G 02J01E D1532		0.9		14.9 x 10.2	151.9	4.96	
Toshiba	Tecra A50 D1534 D1538		0.95		14.9 x 10.2	151.9	4.96	
Toshiba	Tecra Z50 034007 D1552		0.92		14.9 x 10.2	151.9	4.61	

Figure 2: Dimensional information. All links and data current as of 11/10/2017.

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