

COMPARISON OF 15-INCH CLASS LAPTOPS

We compared the new Dell™ XPS™ 15 9570 with other 15-inch-class laptops. These include devices from Acer®, Aorus®, Apple®, ASUS®, Fujitsu®, HP, Lenovo®, Sager®, and Samsung®. The tables below compare the systems using publicly available data at each vendor's respective website. We gathered this data on 08/20/2018 at the links provided.

According to vendor-provided data for these laptops, the Dell XPS 15 9570:

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

Brand	Model	Battery info	Battery life claims
Dell	XPS 15 9570	6-cell Lithium ion 97Wh	20 hours, 39 minutes; 20 hours, 18 minutes (depending on configuration)
Dell	XPS 15	6 cell Lithium Ion 97Wh	20 hours 39 mins
Acer	Aspire 5 (A515-51G-515J) (A515-51G-89LS) (A515-51G-5067) (A515-51G-5504) (A515-51G-53V6)	4 cell Lithium Ion 3220 mAh	7 hours
Acer	Aspire 5 (A515-51G-58SA) (A515-51G-52R1)	4 cell Lithium Ion 3220 mAh	7 hours
Acer	Aspire 5 (A515-51G-84ZP)	4 cell Lithium Ion 3220 mAh	7 hours
Acer	Aspire 5 (A515-51G-503E) (A515-51G-53F6)	4 cell Lithium Ion 3220 mAh	7 hours
Acer	Aspire 5 (A715-71G-71NC)	4-cell 3220 mAh Li-Polymer	7 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 7 (A715-71G-71L2) (A715-71G-71NC)	4 cell Lithium Ion 3220 mAh	7 hours
Acer	Aspire 7 (A715-72G-71CT) (A715-72G-79BH)	4 cell Lithium Ion 3220 mAh	No official claim. No third party claim found.
Acer	Aspire E (E5-575G-57KJ)	4-cell Lithium Ion 2800 mAh	8 hours
Acer	Aspire E (E5-576G-81GD) (E5-576G-825K)	6 cell Lithium Ion 2800 mAh	No official claim. No third party claim found.
Acer	Aspire E (E5-576G-5762) (E5-576G-56HU)	6 cell Lithium Ion 2800 mAh	No official claim. No third party claim found.
Acer	Aspire F 15 (F5-573G-74MV)	4-cell 2800 mAh Li-ion	No official claim. No third party claim found.
Acer	Nitro 5 (AN515-51-75A2) (AN515-51-5594) (AN515-51-55WL) (AN515-51-72HL)	4-cell 3220 mAh Lithium Ion	8.5 hours
Acer	Nitro 5 (AN515-51-504A) (AN515-51-79DZ) (AN515-51-71LP) (AN515-51-56U0) (AN515-51-522L) (AN515-51-70V4)	4-cell 3220 mAh Lithium Ion	7 hours
Acer	Nitro 5 (AN515-53-52FA) (AN515-53-55G9)	4-cell 3220 mAh Lithium Ion	No official claim. No third-party claim found.
Acer	Nitro 5 (AN515-53-7366)	4-cell 3220 mAh Lithium Ion	No official claim No third-party claim found.

Brand	Model	Battery info	Battery life claims
Acer	Nitro 5 (AN515-41-F6VS)	4-cell 3220 mAh Lithium Ion	6 hours
Acer	Predator 15 (G9-593-735L)	8-cell 6000 mAh Lithium Ion	3 hours
Acer	Predator 15 (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) (G3-571-73H3) (G3-571-77KB)	4-cell 3220 mAh Lithium Ion	9 hours
Acer	Predator Helios 300 (PH315-51-78NP) (PH315-51-74V4) (PH315-51-785A)	4-cell 3220 mAh Lithium Ion	No official claim. No 3rd party claims.
Acer	Predator Helios 300 (PH315-51-56KX)	4-cell 3220 mAh Lithium Ion	7 hours
Acer	Predator Triton 700 (PT715-51-732Q) (PT715-51-761M) (PT715-51-71W9)	3-cell 4670 mAh Lithium Ion	5 hours
Acer	TravelMate P6 (TMP658-MG-749P)	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.

Brand	Model	Battery info	Battery life claims
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. Tech Report claims 2.9 hours of web browsing.
Aorus	X5 v8	Li Polymer 94.24Wh	No official claim. Notebook Check claims 4 hours, 54 minutes while idle without WLAN.
Aorus	X5 MD	Li Polymer 94.24Wh	No official claim. Ultrabook Review claims 3 hours, 10 minutes hours of movie playback.
Apple	MacBook Pro with Retina Display	99.5 Whr Lithium-polymer battery	9 hours wireless web; 9 hours iTunes movie playback
Apple	MacBook Pro with Touch Bar	83.6 Whr Lithium-polymer battery	10 hours wireless web 10 hours iTunes movie playback
ASUS	ROG FX503	4 cell 64 Whrs	No official claim. Gaming Central claims 3 hours.
ASUS	ROG GU501	No info	5.5 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.
ASUS	ROG GL502VS	4 cell 62 Whrs	No official claim. Engadget claims 6 hours.
ASUS	ROG GL502VM	4 Cell	No official claim. Notebook Check claims 5 hours, 15 minutes while idle without WLAN.
ASUS	ROG Strix SKT T1 Hero Edition	4 cell 64 Whrs	No official claim. No 3rd party claims.
ASUS	ROG GL503 (ROG Strix Hero Edition) (ROG Strix SCAR Edition)	4 cell 64 Whrs	No official claim. LAPTOP Magazine claims 3 hours, 32 minutes while browsing the web via Wi-Fi.
ASUS	ROG GL504GM (ROG Strix Hero II) (ROG Strix SCAR II)	No info	No official claim. CNET claims 3 hours, 7 minues of video playback.

Brand	Model	Battery info	Battery life claims
ASUS	ROG ZEPHYRUS (GX501)	4 cell 50 Whrs Li-ion	6 hours of web browsing
ASUS	ROG ZEPHYRUS (GM501)	No info	5.5 hours
ASUS	ZenBook UX510UW	48 Wh	No official claim. Ultrabook Review claims 7 hours, 40 minutes (movie app, Wi-Fi on).
ASUS	ZenBook Pro UX580GE	8 cell 71 Wh lithium polymer	Up to 9.5 hours
ASUS	ZenBook Pro UX550GE	8 cell 71 Wh lithium polymer	Up to 9 hours
ASUS	ZenBook Pro UX550VE	73Wh 8 cell	14 hours
ASUS	VivoBook K570UD	48 Whrs	Up to 10 hours
ASUS	VivoBook 15 X510UQ	3 cell 42 Whrs	No official claim. No 3rd party claims.
ASUS	VivoBook Pro 15 N580VD	3 cell 47 Whrs	No official claim. PC Verge claims 4 to 5 hours.
HP	OMEN 15t	4-cell, 70 Wh Li-ion	No official claim. No 3rd party claims.
HP	OMEN 15t Gaming	4-cell, 70 Wh Li-ion	No official claim. No 3rd party claims.
HP	OMEN 15-dc0052nr	4-cell, 70 Wh Li-ion	No official claim. No 3rd party claims.
HP	Pavilion 15-cc554nr	3-cell, 41 Wh Li-ion	Up to 10 hours, 15 minutes
HP	Pavilion Power 15-cb010nr	4-cell, 70 Wh Li-ion	Up to 10 hours, 30 minutes
HP	EliteBook 850 G3	3-cell (46 WHr) Long Life	13 hours, 15 minutes
HP	EliteBook 850 G4	3-cell (51 WHr) Lithium-Ion Battery	Up to 14 hours, 15 minutes (MM2014)

Brand	Model	Battery info	Battery life claims
HP	EliteBook 850 G5	3-cell (56 WHr) lithium-Ion Battery	No official claim. No 3rd party claims.
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 via WiFi.
HP	ProBook 650 G4	3-cell (48 Whr) Long Life	No official claim. Laptop Media claims 8 hours, 20 minutes of web browsing.
HP	Zbook 15v G5	3-cell 452 Wh Li-ion polymer	No official claim. No third-party claims found.
HP	Zbook 15 G3	9-cell (90 WHr) Long Life	No official claim. Notebook Check claims 6 hours, 26 minutes while surfing the web via WiFi.
HP	Zbook 15u G3	3-cell 46 WHr Li-ion prismatic	No official claim. Notebook Check claims 5 hours, 12 minutes while surfing the web via WiFi.
HP	Zbook 15u G4	3-cell 51 WHr Li-ion	No official claim. Nothing But Savings claims 10 hours.
HP	Zbook 15u G5	3-cell 50 WHr Li-ion	No official claim. Notebook Check claims 21 hours, 41 minutes while idle, and 8 hours, 34 minutes while surfing the web via WiFi.
HP	Zbook Studio G3	4-cell 64 WHr Li-ion prismatic	No official claim. No 3rd party claims.
HP	Zbook Studio G5	6-cell 95.6 Wh Li-ion polymer	No official claim. No 3rd party claims.
Lenovo	Ideapad 130	No info	5.5 hours (Mobile Mark 2014)
Lenovo	Ideapad 330	No info	5.5 hours (Mobile Mark 2014)
Lenovo	Ideapad 530S	No info	Eight hours.
Lenovo	Ideapad 720S	4 Cell 79 Watt Hour Li-Polymer	Nine hours.
Lenovo	Legion Y520	3 Cell 45 Watt Hour Li-Polymer	Up to four hours.

Brand	Model	Battery info	Battery life claims
Lenovo	Legion Y530	52.5 WHr	Up to five hours.
Lenovo	Legion Y720	4 Cell 60 Watt Hour Li-Polymer	Up to five 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 P52s	Li-ion 4-cell (32 Wh), rear battery Li-ion 3-cell (24 Wh)	No official claim. No third-party claims found.
Sager	NP9155	Removable 8 cell Smart Lithium-Ion battery pack 82Wh	No official claim. XOTIC PC claims 2+ hours.
Sager	NP8955	Embedded 4 cell Polymer battery pack 55 Wh	No official claim. XOTIC PC claims three hours.
Sager	NP8955-S	Embedded 4 cell Polymer battery pack 55 Wh	No official claim. XOTIC PC claims three hours.
Sager	NP8954	Embedded 4 cell Polymer battery pack 55 Wh	No official claim. XOTIC PC claims three hours.
Sager	NP8953	Embedded 4 cells Polymer battery pack 55WH	No official claim. XOTIC PC claims three hours.
Sager	NP7851	Removable 6 cells Smart Lithium-Ion battery pack 62WH	No official claim. XOTIC PC claims three hours.
Sager	NP6853	Removable 6 cells Smart Lithium-Ion battery pack 62WH	No official claim. XOTIC PC claims three hours.
Sager	NP5856	Removable 6 cells Smart Lithium-Ion battery pack 62WH	No official claim. XOTIC PC claims three hours.
Sager	NP4850	Removable 6 cells Smart Lithium-Ion battery pack 62WH	No official claim. XOTIC PC claims three hours.
Samsung	Notebook Odyssey NP800G5M-X02US NP800G5M-X01US	43 Wh	Up to 9.5 hours (MM2014)

Figure 1: Battery information. All links and data current as of 08/20/2018.

Brand	Model	Thickness		Dimensions		total area (in ²)	Weight	
		mm	inches	mm	inches		lbs	kg
Dell	XPS 15 9570	12.0– 17.0	0.46–0.66	357 x 235	14.06 x 9.25	130.055	4.0	1.80
Acer	Aspire 5 (A515-51G-515J) (A515-51G-89LS) (A515-51G-5067) (A515-51G-5504) (A515-51G-53V6)		0.82		15.02 x 10.35	155.45	4.85	
Acer	Aspire 5 (A515-51G-58SA) (A515-51G-52R1)		0.85		15.02 x 10.35	155.45	4.85	
Acer	Aspire 5 (A515-51G-84ZP)		0.82		15.02 x 10.35	155.45	4.85	
Acer	Aspire 5 (A515-51G-503E) (A515-51G-53F6)		0.85		15.02 x 10.35	155.45	4.85	
Acer	Aspire 5 (A715-71G-71NC)		0.94		15.02 x 10.35	155.45	5.29	
Acer	Aspire 7 (A715-71G-71L2) (A715-71G-71NC)		0.94		15.02 x 10.35	155.5	5.29	
Acer	Aspire 7 (A715-72G-71CT) (A715-72G-79BH)		0.94		15.02 x 10.35	155.5	5.3	

Brand	Model	Thickness		Dimensions		total area (in ²)	Weight	
		mm	inches	mm	inches		lbs	kg
Acer	Aspire E (E5-575G-57KJ)		1.19		15.02 x 10.20	153.2	4.9	
Acer	Aspire E (E5-576G-81GD) (E5-576G-825K)		1.19		15.02 x 10.20	153.2	5.27	
Acer	Aspire E (E5-576G-5762) (E5-576G-56HU)		1.19		15.02 x 10.20	153.2	5.27	
Acer	Aspire F 15 (F5-573G-74MV)		1.12		15.02 x 10.2	153.2	5.1	
Acer	Nitro 5 (AN515-51-75A2) (AN515-51-5594) (AN515-51-55WL) (AN515-51-72HL)		1.05		15.35 x 10.47	160.7	5.95	
Acer	Nitro 5 (AN515-51-504A) (AN515-51-79DZ) (AN515-51-71LP) (AN515-51-56U0) (AN515-51-522L) (AN515-51-70V4)		1.05		15.35 x 10.47	160.7	5.95	
Acer	Nitro 5 (AN515-53-52FA) (AN515-53-55G9)		1.05		15.35 x 10.47	160.7	6	

Brand	Model	Thickness		Dimensions		total area (in ²)	Weight	
		mm	inches	mm	inches		lbs	kg
Acer	Nitro 5 (AN515-53-7366)		1.05		15.35 x 10.47	160.7	6	
Acer	Nitro 5 (AN515-41-F6VS)		1.05		15.35 x 10.47	160.7	5.95	
Acer	Predator 15 (G9-593-735L)		1.52		15.4 x 11.8	181.7	8.16	
Acer	Predator 15 (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) (G3-571-73H3) (G3-571-77KB)		1.05		15.4 x 10.5	161.7	5.95	
Acer	Predator Helios 300 (PH315-51-78NP) (PH315-51-74V4) (PH315-51-785A)		1.1		15.4 x 10.5	161.7	5.95	

Brand	Model	Thickness		Dimensions		total area (in ²)	Weight	
		mm	inches	mm	inches		lbs	kg
Acer	Predator Helios 300 (PH315-51-56KX)		1.1		15.4 x 10.5	161.7	5.51	
Acer	Predator Triton 700 (PT715-51-732Q) (PT715-51-761M) (PT715-51-71W9)		0.74		15.5 x 10.5	162.8	5.29	
Acer	TravelMate P6 (TMP658-MG-749P)		0.88		15 x 10.02	150.3	4.6	
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 v8		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	18	0.71	358.9 x 247.1	14.13 x 9.73	137.48	4.49	2.04
Apple	MacBook Pro with Touch Bar		0.61		13.75 x 9.48	130.4	4.02	1.83
ASUS	ROG FX503		0.94		15.11 x 10.31	155.7	5.5	

Brand	Model	Thickness		Dimensions		total area (in ²)	Weight	
		mm	inches	mm	inches		lbs	kg
ASUS	ROG GU501		0.7		15.1 x 10.3	155.5	5.4	
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 GL502VS		1.18		15.35 x 10.47	160.7	5.2	
ASUS	ROG GL502VM		0.92		15.35 x 10.47	160.7	4.8	
ASUS	ROG Strix SKT T1 Hero Edition		0.9		15.1 x 10.3	155.5	5.07	
ASUS	ROG GL503 (ROG Strix Hero Edition) (ROG Strix SCAR Edition)		0.9		15.1 x 10.3	155.5	5.1	
ASUS	ROG GL504GM (ROG Strix Hero II) (ROG Strix SCAR II)		1.02		14.21 x 10.31	146.5	5.29	
ASUS	ROG ZEPHYRUS (GX501)		0.67 - 0.7		14.9 x 10.3	153.5	5	
ASUS	ROG ZEPHYRUS (GM501)		0.68 - 0.78		15.11 x 10.31	155.7	5.4	
ASUS	ZenBook UX510UW		0.78		15.03 x 10.03	150.7	4.4	

Brand	Model	Thickness		Dimensions		total area (in ²)	Weight	
		mm	inches	mm	inches		lbs	kg
ASUS	ZenBook Pro UX580GE		0.74		14.37 x 9.49	136.6	4.14	
ASUS	ZenBook Pro UX550GE		0.74		14.37 x 9.88	142	4.1	
ASUS	ZenBook Pro UX550VE		0.74		14.37 x 9.88	142	3.97	1.8
ASUS	VivoBook K570UD		0.86		14.74 x 10.07	148.4	4.1	
ASUS	VivoBook 15 X510UQ		0.76		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	
HP	OMEN 15t		0.98		14.17 x 10.35	146.6	5.26	
HP	OMEN 15t Gaming		0.98		15.3 x 10.85	166	5.72	
HP	OMEN 15-dc0052nr		1.02		14.17 x 10.35	146.6	5.56	
HP	Pavilion 15-cc554nr		0.78		14.88 x 9.93	147.8	4.21	
HP	Pavilion Power 15-cb010nr		0.95		14.88 x 9.93	147.8	5.18	

Brand	Model	Thickness		Dimensions		total area (in ²)	Weight	
		mm	inches	mm	inches		lbs	kg
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)	
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	EliteBook 850 G5		0.72		14.6 x 9.91	144.6	3.94	
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 G4		0.95		14.85 x 10.12	150.2	4.8	
HP	Zbook 15v G5		1		14.37 x 10.1	145.1	4.72	
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 15u G5		0.72		14.6 x 9.91	144.6	3.89	
HP	Zbook Studio G3		0.71		14.76 x 10.04	148.2	4.4	
HP	Zbook Studio G5		0.69		14.17 x 10	147.9	4.4	

Brand	Model	Thickness		Dimensions		total area (in ²)	Weight	
		mm	inches	mm	inches		lbs	kg
Lenovo	Ideapad 130		0.89		14.8 x 9.97	147.5	4.6	
Lenovo	Ideapad 330		0.9		14.1 x 10.2	143.8	4.85	
Lenovo	Ideapad 530S		0.65		14.1 x 9.6	135.3	3.7	
Lenovo	Ideapad 720S		0.7		14.12 x 9.58	135.3	4.8	
Lenovo	Legion Y520		1.09		14.96 x 10.43	156	5.29	
Lenovo	Legion Y530		0.95		14.37 x 10.24	147.1	5.1	
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 P52s		0.78 - 0.79		14.4 x 9.95	143.3	4.3	
Sager	NP9155		1.5		15.20 x 10.32	156.8	7.5	
Sager	NP8955		0.73		14.96 x 9.92	148.4	4.37	
Sager	NP8955-S		0.73		14.96 x 9.92	148.4	4.37	
Sager	NP8954		0.73		14.96 x 9.92	148.4	4.37	
Sager	NP8953		0.73		14.96 x 9.92	148.4	4.37	

Brand	Model	Thickness		Dimensions		total area (in ²)	Weight	
		mm	inches	mm	inches		lbs	kg
Sager	NP7851		1.18		14.88 x 10.51	156.3	5.51	
Sager	NP6853		1.06		14.88 x 10.51	156.3	5.51	
Sager	NP5856		1.06		14.88 x 10.51	156.3	5.51	
Sager	NP4850		0.98		14.88 x 10.51	156.3	5.51	
Samsung	Notebook Odyssey NP800G5M-X02US NP800G5M-X01US		0.94		14.88 x 10.24	152.3	5.51	

Figure 2: Dimensional information. All links and data current as of 08/20/2018.

Brand	Model	Processor	Graphics card
Dell	XPS 15 9570	7th generation Intel Core processors up to quad-core i7	NVIDIA GeForce GTX 1050
Acer	Aspire 5 (A515-51G-515J) (A515-51G-89LS) (A515-51G-5067) (A515-51G-5504) (A515-51G-53V6)	Intel Core i5-8250U	NVIDIA GeForce MX150
Acer	Aspire 5 (A515-51G-58SA) (A515-51G-52R1)	Intel Core i5-7200U	NVIDIA GeForce MX150
Acer	Aspire 5 (A515-51G-84ZP)	Intel Core i7-8550U	NVIDIA GeForce MX150
Acer	Aspire 5 (A515-51G-503E) (A515-51G-53F6)	Intel Core i5-8250U	NVIDIA GeForce MX150
Acer	Aspire 5 (A715-71G-71NC)	Intel Core i7-7700HQ	NVIDIA GeForce GTX 1050
Acer	Aspire 7 (A715-71G-71L2) (A715-71G-71NC)	Intel Core i7-7700HQ	NVIDIA GeForce GTX 1050 NVIDIA GeForce GTX 1050 Ti
Acer	Aspire 7 (A715-72G-71CT) (A715-72G-79BH)	Intel Core i7-8750H	NVIDIA GeForce GTX 1050 NVIDIA GeForce GTX 1050 Ti

Brand	Model	Processor	Graphics card
Acer	Aspire E (E5-575G-57KJ)	Intel Core i5-7200U	NVIDIA GeForce 940MX
Acer	Aspire E (E5-576G-81GD) (E5-576G-825K)	Intel Core i7-8550U	NVIDIA GeForce MX150
Acer	Aspire E (E5-576G-5762) (E5-576G-56HU)	Intel Core i5-8250U	NVIDIA GeForce MX150
Acer	Aspire F 15 (F5-573G-74MV)	Intel Core i7-7500U	NVIDIA GeForce 940MX
Acer	Nitro 5 (AN515-51-75A2) (AN515-51-5594) (AN515-51-55WL) (AN515-51-72HL)	Intel Core i7-7700HQ	NVIDIA GeForce GTX 1050 Ti
Acer	Nitro 5 (AN515-51-504A) (AN515-51-79DZ) (AN515-51-71LP) (AN515-51-56U0) (AN515-51-522L) (AN515-51-70V4)	Intel Core i5-7300HQ Intel Core i7-7700HQ	NVIDIA GeForce GTX 1050 Ti NVIDIA GeForce GTX 1050
Acer	Nitro 5 (AN515-53-52FA) (AN515-53-55G9)	Intel Core i5-8300H	NVIDIA GeForce GTX 1050 NVIDIA GeForce GTX 1050 Ti

Brand	Model	Processor	Graphics card
Acer	Nitro 5 (AN515-53-7366)	Intel Core i7-8750H	NVIDIA GeForce GTX 1050 Ti
Acer	Nitro 5 (AN515-41-F6VS)	AMD FX-Series FX-9830P	AMD Radeon RX 550
Acer	Predator 15 (G9-593-735L)	Intel Core i7-7700HQ	NVIDIA GeForce GTX 1060
Acer	Predator 15 (G9-593-71EH)	Intel Core i7-6700HQ	NVIDIA GeForce GTX 1070
Acer	Predator 15 (G9-593-73N6)	Intel Core i7-6700HQ	NVIDIA GeForce GTX 1060
Acer	Predator Helios 300 (G3-571-77QK)	Intel Core i7-7700HQ	NVIDIA GeForce GTX 1060
Acer	Predator Helios 300 (G3-572-72YF) (G3-572-78JY) (G3-572-7526) (G3-571-73H3) (G3-571-77KB)	Intel Core i7-7700HQ	NVIDIA GeForce GTX 1060
Acer	Predator Helios 300 (PH315-51-78NP) (PH315-51-74V4) (PH315-51-785A)	Intel Core i7-8750H	NVIDIA GeForce GTX 1060
Acer	Predator Helios 300 (PH315-51-56KX)	Intel Core i5-8300H	NVIDIA GeForce GTX 1060

Brand	Model	Processor	Graphics card
Acer	Predator Triton 700 (PT715-51-732Q) (PT715-51-761M) (PT715-51-71W9)	Intel Core i7-7700HQ	NVIDIA GeForce GTX 1080 NVIDIA GeForce GTX 1060
Acer	TravelMate P6 (TMP658-MG-749P)	Intel Core i7-6500U	NVIDIA GeForce 940M
Aorus	X5	5th Generation Intel Core i7-5700HQ	Dual NVIDIA GeForce GTX 965M
Aorus	X5S v5	6th Generation Intel Core i7-6700HQ	NVIDIA GeForce GTX 980M
Aorus	X5 v6	6th Generation Intel Core i7-6820HK	NVIDIA GeForce GTX 1070 8GB
Aorus	X5 v7	7th Generation Intel Core i7-7820HK	NVIDIA GeForce GTX 1070
Aorus	X5 v8	Intel i7-8850H	NVIDIA GeForce GTX 1070
Aorus	X5 MD	7th Generation Intel Core i7-7820HK	NVIDIA GeForce GTX 1080
Apple	MacBook Pro with Retina Display	2.2-3.4GHz quad-core Intel i7 2.5-3.7GHz quad-core Intel i7 2.8-4.0GHz quad-core Intel i7	Intel Iris Pro Graphics
Apple	MacBook Pro with Touch Bar	2.2-4.1GHz 6-core Intel i7 2.6-4.3GHz 6-core Intel i7 2.9-4.8GHz 6-core Intel i9	AMD Radeon Pro 555X AMD Radeon Pro 560X Intel UHD 630
ASUS	ROG FX503	Intel Core i7-7700HQ Intel Core i5-7300HQ	NVIDIA GeForce GTX 1060

Brand	Model	Processor	Graphics card
ASUS	ROG GU501	Intel Core i7-8750H	NVIDIA GeForce GTX 1060
ASUS	ROG GL553VD	Intel Core i7-7700HQ Intel Core i5-7300HQ	NVIDIA GeForce GTX 1050 2GB/4GB
ASUS	ROG GL553VE	Intel Core i7-7700HQ Intel Core i5-7300HQ	NVIDIA GeForce GTX 1050Ti 4GB
ASUS	ROG GL502VS	Intel Core i7-7700HQ Intel Core i5-7300HQ	NVIDIA GeForce GTX 1070
ASUS	ROG GL502VM	Intel Core i7-6700HQ Intel Core i5-6300HQ	NVIDIA GeForce GTX 1060
ASUS	ROG Strix SKT T1 Hero Edition	Intel core i7 7700HQ	NVIDIA GeForce GTX 1060
ASUS	ROG GL503 (ROG Strix Hero Edition) (ROG Strix SCAR Edition)	Intel Core i7-7700HQ Intel Core i5-7300HQ	NVIDIA GeForce GTX 1050
ASUS	ROG GL504GM (ROG Strix Hero II) (ROG Strix SCAR II)	Intel Core i7-8750H Intel Core i5-8300H	NVIDIA GeForce GTX 1060
ASUS	ROG ZEPHYRUS (GX501)	Intel Core i7-7700HQ Intel Core i5-7300HQ	NVIDIA GeForce GTX 1080
ASUS	ROG ZEPHYRUS (GM501)	Intel Core i7-8750H	NVIDIA GeForce GTX 1080
ASUS	ZenBook UX510UW	Intel Core i7-6500U Intel Core i5-6200U	NVIDIA GeForce GTX 960M

Brand	Model	Processor	Graphics card
ASUS	ZenBook Pro UX580GE	Intel Core i9-8950HK Intel Core i7-8750H Intel Core i5-8300H	NVIDIA GeForce GTX 1050 Ti
ASUS	ZenBook Pro UX550GE	Intel Core i7-8750H	NVIDIA GeForce GTX 1050 Ti
ASUS	ZenBook Pro UX550VE	Intel Core i7-7700HQ Intel Core i5-7300HQ	NVIDIA GeForce GTX 1050 Ti
ASUS	VivoBook K570UD	Intel Core i7 8550U Intel Core i5 8250U	NVIDIA GeForce GTX 1050
ASUS	VivoBook 15 X510UQ	Intel Core i7 7500U Intel Core i5 7200U Intel Core i3 7100U	NVIDIA GeForce 930MX
ASUS	VivoBook Pro 15 N580VD	Intel Core i7-7700HQ Intel Core i5-7300HQ	NVIDIA GeForce GTX 1050
HP	OMEN 15t	Intel Core i7-8750H	NVIDIA GeForce GTX 1060
HP	OMEN 15t Gaming	Intel Core i7-8750H	NVIDIA GeForce GTX 1060
HP	OMEN 15-dc0052nr	Intel Core i7-8750H	NVIDIA GeForce 1060
HP	Pavilion 15-cc554nr	Intel Core i7-7500U	NVIDIA GeForce 940 MX
HP	Pavilion Power 15-cb010nr	Intel Core i5-7300HQ	NVIDIA GeForce GTX 1050

Brand	Model	Processor	Graphics card
HP	EliteBook 850 G3	Intel Core i7-6600U Intel Core i7-6500U Intel Core i5-6300U Intel Core i5-6200U Intel Core i3-6100U	AMD Radeon R7 M365X
HP	EliteBook 850 G4	Intel Core i7-7600U Intel Core i7-7500U Intel Core i5-7300U Intel Core i5-7200U Intel Core i3-7100U	AMD Radeon R7 M465
HP	EliteBook 850 G5	Intel Core i7-8650U Intel Core i7-8550U Intel Core i5-8350U Intel Core i5-8250U Intel Core i5-7300U Intel Core i5-7200U	AMD Radeon RX 540
HP	ProBook 450 G5	Intel Core i7-8550U	NVIDIA GeForce 930MX
HP	ProBook 650 G2	Intel Core i7-6600U Intel Core i5-6300U	AMD Radeon R7 M365X
HP	ProBook 650 G4	Intel Core i7-8650U Intel Core i7-8550U Intel Core i5-8350U Intel Core i5-8250U Intel Core i5-7300U Intel Core i5-7200U	AMD Radeon RX540

Brand	Model	Processor	Graphics card
HP	Zbook 15v G5	Intel Core i5-8300H Intel Core i5-8400H Intel Core i7-8750H Intel Core i7-8850H Intel Xeon E-2176M	NVIDIA Quadro P600
HP	Zbook 15 G3	Intel Xeon E3-1545M Intel Xeon E3-1505M Intel Core i7-6820HQ Intel Core i7-6700HQ Intel Core i5-6440HQ	NVIDIA Quadro M2000M
HP	Zbook 15u G3	Intel Core i7-6500U Intel Core i7-6600U Intel Core i5-6300U Intel Core i5-6200U	AMD FirePro W4190M
HP	Zbook 15u G4	Intel Core i7-7600U Intel Core i7-7500U Intel Core i5-7300U Intel Core i5-7200U	AMD FirePro W4190M
HP	Zbook 15u G5	Intel Core i5-7200U	AMD Radeon Pro WX 3100
HP	Zbook Studio G3	Intel Xeon E3-1545M Intel Xeon E3-1505M Intel Core i7-6820HQ Intel Core i7-6700HQ	NVIDIA Quadro M1000M
HP	Zbook Studio G5	Intel Core i7-8750H	NVIDIA Quadro P1000

Brand	Model	Processor	Graphics card
Lenovo	Ideapad 130	Intel Core i7-8550U Intel Core i3-7020U	
Lenovo	Ideapad 330	Intel Core i7-8750H Intel Core i3-7020U	NVIDIA GeForce GTX 1050
Lenovo	Ideapad 530S	Intel Core i7-8550U	
Lenovo	Ideapad 720S	Intel Core i7-7700HQ	NVIDIA GeForce GTX 1050 Ti
Lenovo	Legion Y520	7th Generation Intel Core i7 Processor	NVIDIA GeForce GTX 1050 Ti
Lenovo	Legion Y530	Intel Core i7-8750H	NVIDIA GeForce GTX 1050 Ti
Lenovo	Legion Y720	7th Generation Intel Core i7 Processor	NVIDIA GeForce GTX 1060
Lenovo	ThinkPad P50	Intel Xeon E3-1505M v5	NVIDIA Quadro M2000M
Lenovo	ThinkPad P51	Intel Core i7-7820HQ Intel Xeon E3-1535v6	NVIDIA Quadro M1200
Lenovo	ThinkPad P52s	Intel Core i7-8650U	Nvidia Quadro P500
Sager	NP9155	8th Gen Intel Core i7-8700 8th Gen Intel Core i7-8700K	NVIDIA GeForce GTX 1070
Sager	NP8955	8th Gen Intel Core i7-8750H	NVIDIA GeForce GTX 1070
Sager	NP8955-S	8th Gen Intel Core i7-8750H	NVIDIA GeForce GTX 1070
Sager	NP8954	8th Generation Intel Core i7-8750H	NVIDIA GeForce GTX 1070

Brand	Model	Processor	Graphics card
Sager	NP8953	8th Gen Intel Core i7-8750H	NVIDIA GeForce GTX 1060
Sager	NP7851	8th Gen Intel Core i7-8750H	NVIDIA GeForce GTX 1060
Sager	NP6853	8th Gen Intel Core i7-8750H	NVIDIA GeForce GTX 1050Ti
Sager	NP5856	8th Gen Intel Core i7-8750H	NVIDIA GeForce GTX 1050
Sager	NP4850	8th Gen Intel Core i5-8300H	NVIDIA GeForce MX150
Samsung	Notebook Odyssey NP800G5M-X02US NP800G5M-X01US	Intel Core i7-7700HQ	NVIDIA GeForce GTX 1050

Figure 3: Processor and graphics card information. All links and data current as of 08/20/2018.

ABOUT PRINCIPLED TECHNOLOGIES



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1007 Slater Road, Suite 300
Durham, NC, 27703
www.principledtechnologies.com

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