

COMPARISON OF 15-INCH CLASS LAPTOPS

We compared the new Dell™ Inspiron™ 15 7000 with other 15-inch-class laptops. These include devices from Acer®, Aorus®, Apple®, ASUS®, 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 05/31/2019 at the links provided.

According to vendor-provided data for these laptops, the Dell Inspiron 15 7000:

- is the lightest 15.6-inch performance laptop¹

Brand	Model	Weight (lbs)	Processor	Graphics card
Dell	Inspiron 15 7000	3.52	9th generation Intel® Core® i5-9300H	NVIDIA GeForce GTX 1050
Acer	Aspire 7 (A715-72G-71CT) (A715-72G-79BH)	5.3	Intel Core i7-8750H	NVIDIA GeForce GTX 1050 NVIDIA GeForce GTX 1050 Ti
Acer	Aspire 7 (A715-72G-79R9) (A715-72G-73Y5) (A715-72G-72ZR)	5.29	Intel Core i7-8750H	NVIDIA GeForce GTX 1050 Ti
Acer	Aspire 7 (A715-72G-739V)	5.29	Intel Core i7-8750H	NVIDIA GeForce GTX 1050 Ti
Acer	Nitro 5 (AN515-53-7366)	6	Intel Core i7-8750H	NVIDIA GeForce GTX 1050 Ti

¹ There are several smaller Samsung Notebook 9 devices, but those notebooks also have a 15-inch screen as opposed to 15.6 inches. In this report, performance-class refers to laptops possessing an H-level processor or better, as well as a discrete graphics card.



Brand	Model	Weight (lbs)	Processor	Graphics card
Acer	Nitro 5 (AN515-53-70AQ)	5.95	Intel Core i7-8750H	NVIDIA GeForce GTX 1050 Ti
Acer	Nitro 5 (AN515-54-54W2) (AN515-54-51M5)	5.51	Intel Core i5-9300H	NVIDIA GTX 1050 NVIDIA GTX 1650
Acer	Predator Helios 300 (PH315-51-78NP) (PH315-51-74V4) (PH315-51-785A) (PH315-51-71FS)	5.95	Intel Core i7-8750H	NVIDIA GeForce GTX 1060
Acer	Predator Helios 300 (PH315-51-56KX)	5.51	Intel Core i5-8300H	NVIDIA GeForce GTX 1060
Acer	Predator Helios 300 (PH315-52-72RG) (PH315-52-72EV)	5.51	Intel Core i7-9750H	NVIDIA GeForce GTX 1660Ti NVIDIA GeForce RTX 2060
Acer	Predator Helios 300 Special Edition (PH315-51-757A)	5.95	Intel Core i7-8750H	NVIDIA GeForce GTX 1060
Acer	Predator Triton 500 (PT515-51-75L8) (PT515-51-71VV) (PT515-51-765U)	4.41	Intel Core i7-8750H Intel Core i7-9750H	NVIDIA GeForce RTX 2080 NVIDIA GeForce RTX 2060

Brand	Model	Weight (lbs)	Processor	Graphics card
	(PT515-51-7848) (PT515-51-73EG)			
Acer	Predator Triton 700 (PT715-51-761M) (PT715-51-71W9)	5.29	Intel Core i7-7700HQ	NVIDIA GeForce GTX 1080 NVIDIA GeForce GTX 1060
Aorus	15 (RTX 20 Series) 15-W9 15-X9	5.29	8th Generation Intel® Core™ i7-8750H	NVIDIA GeForce RTX 2070
Aorus	15(Intel 9th Gen) RTX 15-XA 15-WA 15-SA	5.29	9th Generation Intel® Core™ i7-9750H	NVIDIA GeForce RTX 2070
Aorus	15 (Intel 9th Gen) GTX 5-GA 5-NA	4.73	9th Generation Intel® Core™ i7-9750H	NVIDIA GTX 1650
Aorus	X5 v7	5.51	7th Generation Intel® Core™ i7-7820HK	NVIDIA GeForce GTX 1070
Aorus	X5 v8	5.51	Intel i7-8850H	NVIDIA GeForce GTX 1070
Aorus	X5 MD	5.51	7th Generation Intel® Core™ i7-7820HK	NVIDIA GeForce GTX 1080

Brand	Model	Weight (lbs)	Processor	Graphics card
Aorus	15-W9 15-X9	5.29	Intel Core i7-8750H	NVIDIA GeForce RTX 2070
Apple	MacBook Pro with Touch Bar	4.02	2.6-4.5GHz 6-core Intel i7 2.4-5.0GHz 8-core Intel i9 or 2.3-4.8GHz 8-core Intel i9 2.4-5.0GHz 6-core Intel i9	AMD Radeon Pro 555X AMD Radeon Pro 560X AMD Radeon Pro Vega 16 AMD Radeon Pro Vega 20 Intel UHD 630
ASUS	ROG FX502VM	4.8	Intel Core i7-6700HQ Intel Core i5-6300HQ	NVIDIA GeForce GTX 1060
ASUS	ROG FX503	5.5	Intel Core i7-7700HQ Intel Core i5-7300HQ	NVIDIA GeForce GTX 1060
ASUS	ROG GU501	5.4	Intel Core i7-8750H	NVIDIA GeForce GTX 1060
ASUS	ROG GL553VD	5.51	Intel Core i7-7700HQ Intel Core i5-7300HQ	NVIDIA GeForce GTX 1050 2GB/4GB
ASUS	ROG GL553VE	5.51	Intel Core i7-7700HQ Intel Core i5-7300HQ	NVIDIA GeForce GTX 1050Ti 4GB
ASUS	ROG GL502VS	5.2	Intel Core i7-7700HQ Intel Core i5-7300HQ	NVIDIA GeForce GTX 1070

Brand	Model	Weight (lbs)	Processor	Graphics card
ASUS	ROG GL502VM	4.8	Intel Core i7-6700HQ Intel Core i5-6300HQ	NVIDIA GeForce GTX 1060
ASUS	ROG GL503 (ROG Strix Hero Edition) (ROG Strix SCAR Edition)	5.1	Intel Core i7-7700HQ Intel Core i5-7300HQ	NVIDIA GeForce GTX 1050
ASUS	ROG GL504GM (ROG Strix Hero II) (ROG Strix SCAR II)	5.29	Intel Core i7-8750H Intel Core i5-8300H	NVIDIA GeForce GTX 1060
ASUS	ROG ZEPHYRUS (GX501)	5	Intel Core i7-7700HQ Intel Core i5-7300HQ	NVIDIA GeForce GTX 1080
ASUS	ROG ZEPHYRUS (GM501)	5.4	Intel Core i7-8750H	NVIDIA GeForce GTX 1080
ASUS	ROG Zephyrus S (GX531)	4.62	Intel Core i7-8750H	NVIDIA GeForce GTX 1060 NVIDIA GeForce GTX 1070
ASUS	ZenBook Pro UX580GE	4.14	Intel Core i9-8950HK Intel Core i7-8750H Intel Core i5-8300H	NVIDIA GeForce GTX 1050 Ti
ASUS	ZenBook Pro UX550GE	4.1	Intel Core i7-8750H	NVIDIA GeForce GTX 1050 Ti
ASUS	ZenBook Pro UX580GD	4.14	Intel Core i9-8950HK	NVIDIA GeForce GTX 1050 Ti

Brand	Model	Weight (lbs)	Processor	Graphics card
ASUS	ZenBook Pro UX550VE	3.97	Intel Core i7-7700HQ Intel Core i5-7300HQ	NVIDIA GeForce GTX 1050 Ti
ASUS	N550JX	5.7	Intel Core i7 4720HQ Intel core i5 4200H	NVIDIA GeForce GTX 950M
ASUS	FX502VD	4.85	Intel Core i7 7700HQ Intel Core i5 7300HQ	NVIDIA GeForce GTX 1050
ASUS	TUF Gaming FX504	5.07	Intel Core i7 8750H Intel Core i7 8300H	NVIDIA GeForce GTX 1050 NVIDIA GeForce GTS 1050 TI
ASUS	TUF Gaming FX505	4.85	Intel Core i78750H Intel Core i5-8300H	NVIDIA GeForce GTX 1050 NVIDIA GeForce GTX 1050Ti NVIDIA GeForce GTX 1060
ASUS	VivoBook Pro 15 N580VD	4.39 Non Touch 5.05 Touch	Intel Core i7-7700HQ Intel Core i5-7300HQ	NVIDIA GeForce GTX 1050
ASUS	VivoBook Pro 15 N580GD	4.39 Non Touch 5.05 Touch	Intel Core i7-8750H Intel Core i5-8300H	NVIDIA GeForce GTX 1050
HP	OMEN 15t	5.26	Intel Core i7-8750H	NVIDIA GeForce GTX 1060
HP	Pavilion Gaming laptop 15t	4.78	Intel Core i7-8750H Intel Core i5-8300H	NVIDIA GeForce GTX 1060
HP	Pavilion Gaming 15-cx0071nr	5.18	Intel Core i7-8750H	NVIDIA GeForce GTX 1050

Brand	Model	Weight (lbs)	Processor	Graphics card
HP	EliteBook 1050 G1	4.54	Intel Core i7-8750H	NVIDIA GeForce GTX 1050
HP	Zbook 15v G5	4.72	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 G5	5.79	Intel i5-8300H Intel i5-8400H Intel i7-8750H Intel i7-8850H Intel Xeon E-2176M Intel Xeon E2186M	NVIDIA Quadro P1000 NVIDIA Quadro P2000 AMD RadeonPro WX
HP	Zbook 15 G3	5.8	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 Studio G5	4.4	Intel Core i7-8750H	NVIDIA Quadro P1000
Lenovo	Ideapad 330	4.85	Intel core i7-8750H	NVIDIA GeForce GTX 1050
Lenovo	Ideapad 330s	4.45	Intel Core i5-8250U	NVIDIA GeForce GTX 1050
Lenovo	Legion Y530	5.1	Intel® Core™ i7-8750H	NVIDIA GeForce GTX 1050 Ti

Brand	Model	Weight (lbs)	Processor	Graphics card
Lenovo	Legion Y730	4.8	Intel Core i7-8750H	NVIDIA GeForce GTX 1050 Ti
Lenovo	Legion Y740	5.1	Intel Core i7-8750H	NVIDIA GeForce RTX 20170
Lenovo	ThinkPad P1	3.76	Intel Core i7-8850H	NVIDIA Quadro P2000
Lenovo	ThinkPad P51	5.6	Intel Core i7-7700HQ	NVIDIA Quadro M1200
Lenovo	ThinkPad P52	5.4	Intel Core i7-8850H	NVIDIA Quadro P3200
Lenovo	ThinkPad X1 Extreme	3.76 FHD non-touch 4.06 Touchscreen	Intel Core i7-8850H	NVIDIA GeForce GTX 1050 Ti
Sager	NP4850	5.51	8th Gen Intel® Core™ i5-8300H	NVIDIA GeForce MX150
Sager	NP8954	4.37	8th Gen Intel® Core™ i7-8750H	NVIDIA GeForce GTX 1070
Sager	NP8956	4.6	8th Generation Intel® Core™ i7-8750H	NVIDIA GeForce RTX 2070
Sager	NP7852	5	8th Generation Intel® Core™ i7-8750H	NVIDIA GeForce RTX 2060
Sager	NP7853	5	8th Generation Intel® Core™ i7-8750H	NVIDIA GeForce RTX 2060

Brand	Model	Weight (lbs)	Processor	Graphics card
Sager	NP6854	4.85	9th Generation Intel® Core™ i5-9300H	NVIDIA GeForce GTX 1050
Sager	NP6855	4.85	9th Generation Intel® Core™ i9-9750H	NVIDIA GeForce GTX 1650
Sager	NP6856	4.85	9th Gen Intel Core i9-9750K	NVIDIA GeForce GTX 1660Ti
Sager	NP9156-G3	7.5	9th Gen Intel Core i9-9900K	NVIDIA GeForce RTX 2080
Sager	NP9156-G2	7.5	9th Gen Intel Core i9-9900K	NVIDIA GeForce RTX 2080
Sager	NP9156-G1	7.5	9th Gen Intel Core i9-9900K	NVIDIA GeForce RTX 2080
Sager	NP2950	4.37	8th Gen Intel Core i7-8750H	NVIDIA Quadro P3200
Sager	NP8356	5.8	8th Gen Intel Core i7-8750H	NVIDIA GeForce RTX 2070
Samsung	Notebook Odyssey NP800G5M-X01US	5.51	Intel Core i7-7700HQ	NVIDIA GeForce GTX 1050
Samsung	Notebook Odyssey Z NP850XAC-X01US	5.29	Intel Core i7-8750H	NVIDIA GeForce GTX 1060
Samsung	Notebook Odyssey NP800G5H-X02US	6.04	Intel Core i7-7700HQ	NVIDIA GeForce GTX 1060

Brand	Model	Weight (lbs)	Processor	Graphics card
Samsung	Notebook Odyssey NP800G5H-XS1US	5.51	Intel Core i7-7700HQ	NVIDIA GeForce GTX 1060

Figure 1: Dimensional information. All links and data current as of 05/31/2019.

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