

Inspiron 16 Plus (7640)

Features & Technical Specifications

Feature	Technical Specification	Feature	Technical Specification
Model Number	7640	Multimedia	(2) tuned speakers (with integrated graphics), (4) tuned speakers (with discrete graphics), audio processing by Dolby Atmos Core and Waves MaxxAudio® Pro Headset jack Integrated Widescreen FHD (1080p) Webcam with Dual Digital Microphone Array with Temporal Noise Reduction enabled
Processor Options	Intel® Core™ Ultra 5 processor 125H (18MB cache, 14 cores, 18 threads, up to 4.5 GHz) Intel® Core™ Ultra 7 processor 155H (24MB cache, 16 cores, 22 threads, up to 4.8 GHz) Intel® Core™ Ultra 9 processor 185H (24MB cache, 16 cores, 22 threads, up to 5.1 GHz) 13th Generation Intel® Core™ i5-13420H Processor (12MB Cache, up to 4.6GHz) 13th Generation Intel® Core™ i7-13620H Processor (24MB Cache, up to 4.9GHz)	Connectivity Options	Intel® Wi-Fi 6E AX211 (tied to Intel® Core™ Ultra processors) Intel® Wi-Fi 7 BE200 (WiFi7 will be officially supported on Windows SV3) (tied to Intel® Core™ Ultra processors) Realtek Wi-Fi 6 RTL8852BE (tied to 13th Generation Intel® Core™ processors) <i>*WiFi 6E and above requires Windows 11 Operating system and compatible router. Router requires a separate purchase. WiFi 6E and above connectivity is only available in select locations. Check availability with your service provider.</i>
Operating System*	Windows® 11	Battery Options*	4-Cell Battery, 64 Whr (Integrated) (tied to Intel® Core™ Ultra processors) 6-Cell Battery, 90 Whr (Integrated) (tied to Intel® Core™ Ultra processors) 4-Cell Battery, 54 Whr (Integrated) (tied to 13th Generation Intel® Core™ processors)
Graphics	Intel® Arc™ Graphics (tied to Intel® Core™ Ultra processors) NVIDIA® GeForce RTX™ 4050, 6 GB GDDR6 (tied to Intel® Core™ Ultra processors) NVIDIA® GeForce RTX™ 4060, 8 GB GDDR6 (tied to Intel® Core™ Ultra processors) Intel UHD Graphics UMA (tied to 13th Generation Intel® Core™ processors)	AC Adapter	90 Watt AC Adapter / 100 Watt USB-C - for Integrated Graphics SKU 130 Watt AC Adapter / 130 Watt USB-C - for Discrete Graphics SKU (tied to Intel® Core™ Ultra processors)
Display	16.0-inch 16:10 FHD+ (1920x1200) Anti-Glare NonTouch 300nits WVA Display w/ ComfortView Plus Support (tied to Intel® Core™ Ultra processors) 16.0-inch 16:10 FHD+ (1920 x 1200) Touch 300nits WVA Display with ComfortView Plus Support (tied to Intel® Core™ Ultra processors) 16.0-inch 16:10 2.5K(2560x1600) Anti-Glare Non-Touch 300nits WVA Display w/ ComfortView Plus Support 16.0-inch 16:10 FHD+ (1920 x 1200) Anti-Glare Non-Touch 250nits WVA Display with ComfortView Support (tied to 13th Generation Intel® Core™ processors)	Dimensions & Weight*	Integrated Graphics H/W/D: 0.66" - 0.78" x 14.05" x 9.87" (16.70mm - 19.75mm x 356.78 mm x 250.60mm) Starting Weight: 4.19 lbs (1.90kg) Discrete Graphics H/W/D: 0.69" - 0.78" x 14.05" x 9.87" (17.40mm - 19.90mm x 356.78 mm x 250.60mm) Starting Weight: 4.94 lb (2.24 kg)
Memory Options*	16GB, 2x8GB, LPDDR5X, 6400MT/s 32GB, 2x16GB, LPDDR5X, 6400MT/s 16GB DDR5, 2x8GB, 5600MT/s (tied to Intel® Core™ Ultra processors) 32GB DDR5, 2x16GB, 5600MT/s (tied to Intel® Core™ Ultra processors) 64GB, DDR5 2x32GB, 5600MT/s (tied to Intel® Core™ Ultra processors)	Color	Ice Blue
Storage Options*	512GB/1TB M.2 PCIe NVMe Solid State Drive 2TB M.2 PCIe NVMe Solid State Drive (tied to MTL-H processors)	Security	Fingerprint Reader with Windows Hello (Optional) Webcam Privacy Shutter
Ports, Slots & Chassis	HDMI 1.4* (with integrated graphics), HDMI 2.1 (with discrete graphics), (1) Intel Thunderbolt 4.0, (2) USB 3.2 Gen 1 Type-A, Micro SD Card (with discrete graphics), Standard-sized SD Card Reader (with integrated graphics) (1) Universal audio jack* * <i>*The maximum resolution supported over HDMI is 1920x1080 @60Hz. No 4K/2K output. **3.5mm Universal audio jack functionality varies by model configuration. For best results, use Dell recommended audio accessories</i>	Software	MyDell, Dell Pair, Support Assist, Dolby Atmos
Input	Backlit, full-size, spill-resistant keyboard Multi-touch gesture-enabled precision touchpad with integrated scrolling	Peripheral Ecosystem	Dell 27 4K Monitor (USB-C) - S2722QC Dell 6-in-1 USB-C Multiport Adapter - DA305 Dell Dual Charge Dock – Atomic 0 HD22Q Dell EcoLoop Pro Briefcase – CC5623 Dell Premier Multi-Device Wireless Keyboard and Mouse – Acadia IO – KM7321W Dell Pro Wireless ANC Headset – WL5024 Dell UltraSharp Webcam – Acadia Webcam – WB7022
Optical Drive Options	No Optical Drive	Regulatory and Environmental	Energy Star 8.0 EPEAT Silver Registry

NOTES:

Hard Drives: GB means 1 billion bytes and TB equals 1 trillion bytes; actual capacity varies with preloaded material and operating environment and will be less.

Graphics & System Memory: GB means 1 billion bytes and TB equals 1 trillion bytes; significant system memory may be used to support graphics, depending on system memory size and other factors.

Battery life figures are based on testing using the Mobile Mark 2014 battery life benchmark test. For more information about this benchmark test, visit www.bapco.com.

Test results should be used only to compare one product with another and are not a guarantee you will experience the same battery life. Battery life may be significantly less than the test results and varies depending on your product's configuration, software, usage, operating conditions, power management settings and other factors.

Maximum battery life will decrease with time and use.

Watt Hour (Whr) - The stated Watt Hour (Whr) is not an indication of battery life.

