

DL7640-U7-1T16G11P

Dell Inspiron 7640 Core Ultra Gaming Notebook Core Ultra 7 155H 4.8GHz 16GB 1TB 16" WQXGA
RTX 4060 8GB BT Win 11 Pro

Product Overview

Dell Inspiron 7640 Series Core Ultra DL7640-U7-1T16G11P Ice Blue Gaming Notebook, Intel Core Ultra 7 155H Sixteen (16) Core Meteor Lake Turbo Boost up to 4.8Ghz 24MB L3 Cache Processor (6 Performance Cores & 8 Efficient Cores & 2 Low Power Efficient Cores), 16GB DDR5-5600 SO-Dimm Memory (2x8GB), Supports 64GB Max Mem, 2 Memory slots, 1TB SSD Solid State Hard Drive PCIe, M.2 2280 slot, NO optical drive (No CD), 16" Capacitive Multi Touch Screen WQXGA (2560 x 1600 resolution) Non Gloss Type IPS LED Backlit Display, nVidia Geforce RTX 4060 with 8GB dedicated graphics, NPU Intel AI Boost 1.4GHz, 802.11ax Wi-Fi 6, Bluetooth, Webcam, Backlit Keyboard, 2x USB 3.2 Gen 1 Type A, 1x Thunderbolt 4.0, HDMI output, Micro SD Card Reader, 1.9 kg, Microsoft Windows 11 Professional 64 bit, 1 Year Carry in warranty





Specifications

Summary Overview:

The Dell Inspiron 16 Plus 7640 is a powerful 16-inch laptop for buyers in South Africa who need strong performance for demanding work and entertainment. This exact configuration combines an Intel Core Ultra 7 155H processor, 16GB DDR5 memory, 1TB SSD and NVIDIA GeForce RTX 4060 8GB graphics with a sharp 2560 x 1600 capacitive touchscreen. Windows 11 Pro, Wi-Fi 6, Thunderbolt 4, HDMI and a backlit keyboard complete a versatile package. Buy now for a capable machine suited to work, creativity and gaming.

Customer and expert feedback on the Inspiron 16 Plus 7640 series generally praises its fast performance, large display, smooth multitasking and solid build quality. It is particularly suited to students, professionals, content creators and buyers who want some gaming capability without choosing a dedicated gaming-only laptop. Some reviews note heat and port limitations under demanding workloads, so power users should consider their connectivity and cooling requirements.

Laptop performance tier:High-performance

Uses:productivity, multitasking, content creation, photo editing, video editing, graphic design, AI-assisted workloads, programming, business use, study, gaming

Overview:

The Dell Inspiron 7640 Series Core Ultra 7 DL7640-U7-1T16G11P is a powerful 16-inch notebook designed for users who need more than a standard everyday laptop. Finished in Ice Blue, it combines an Intel Core Ultra 7 processor, 16GB DDR5 memory, a fast 1TB PCIe SSD and dedicated NVIDIA GeForce RTX 4060 graphics with 8GB of dedicated video memory.

Its 16-inch WQXGA touchscreen provides a sharp 2560 x 1600 resolution with a spacious 16:10 aspect ratio, making it well suited to productivity, creative work, entertainment and demanding applications. The NVIDIA GeForce RTX 4060 also gives this Dell Inspiron 16 Plus the graphics performance needed for content creation and more demanding workloads.

AI capabilities are built into the platform through the Intel Core Ultra processor and Intel AI Boost NPU. Combined with Windows 11 Pro and the Copilot key, the notebook provides useful AI-assisted tools for work, communication and everyday tasks.

Features:

Powerful Intel Core Ultra 7 Performance

The Intel Core Ultra 7 155H processor provides a strong combination of performance and efficiency. Its hybrid architecture uses performance and efficiency cores to handle demanding applications while managing everyday workloads efficiently.

With 16GB of DDR5-5600 memory and a 1TB PCIe SSD, the Dell Inspiron 7640 offers responsive multitasking and fast access to applications and files.

NVIDIA GeForce RTX 4060 Graphics

Dedicated NVIDIA GeForce RTX 4060 graphics with 8GB of video memory make this notebook suitable for graphics-intensive applications, creative projects and demanding visual workloads.

NVIDIA RTX graphics also provide dedicated Tensor Cores for AI-powered applications, while supported creative workflows can benefit from NVIDIA Studio technologies.

16-Inch WQXGA Touchscreen Display

The 16-inch capacitive multi-touch display combines a 2560 x 1600 WQXGA resolution with IPS technology for detailed, clear visuals.

The 16:10 aspect ratio provides additional vertical screen space, which is useful when working with documents, spreadsheets, websites and multiple applications.

The display also supports a 120Hz refresh rate, providing smoother movement and more responsive visuals. Dolby Vision support adds enhanced contrast and colour performance when viewing compatible HDR content.

AI-Enhanced Webcam and Communication

The built-in webcam works with dual microphones and AI noise reduction to help provide clearer video calls and voice communication.

AI-enabled auto framing can keep you positioned within the camera view, while eye-contact technology helps maintain a more natural appearance during video calls.

ComfortView Plus for Extended Screen Use

Dell ComfortView Plus is designed to reduce harmful blue light emissions while maintaining accurate colour reproduction. The TÜV Rheinland certified hardware solution is useful for users who spend long periods working on the display.

Fast Storage and Expandability

The 1TB PCIe SSD provides quick application loading and fast access to files, while the system supports additional storage expansion through an extra SSD slot on supported configurations.

This makes the notebook practical for users who regularly work with large files, media libraries or multiple projects.

Immersive Audio with Dolby Atmos

The Inspiron 16 Plus includes up-firing speakers designed to direct sound towards the user. Smart amplifier technology automatically adjusts power to help provide stronger volume and bass.

Configurations with NVIDIA GeForce RTX graphics can also support an upgraded quad-speaker arrangement. Dolby Atmos provides a more immersive audio experience with compatible content.

Windows 11 Pro and Copilot

Windows 11 Pro provides a modern desktop environment with multitasking tools for work and everyday computing.

The dedicated Copilot key provides quick access to Microsoft's AI assistant, making it easier to access AI-supported answers, ideas and productivity tools.

Connectivity for Work and Everyday Use

The Dell Inspiron 7640 provides a useful selection of ports for connecting external displays, storage devices, accessories and other equipment.

- 2 x USB 3.2 Gen 1 Type-A
- Thunderbolt 4 with DisplayPort and Power Delivery
- HDMI output
- Micro SD card reader
- Universal audio jack
- Power connection
- Wi-Fi 6
- Bluetooth

Designed for Productivity

The Inspiron 16 Plus is designed to handle a wide range of professional and personal workloads. Military-grade testing adds

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Product Specification Sheet

an extra level of durability testing, while the built-in Trusted Platform Module helps protect stored data.

The backlit keyboard also makes it easier to work in environments with limited lighting.

Modern and More Sustainable Construction

Dell uses a range of recycled materials in the construction of the Inspiron 16 Plus, including recycled aluminium, steel, copper and post-consumer recycled plastics.

The packaging is made using 100% recycled or renewable content and is recyclable. The notebook is also ENERGY STAR 8.0 rated, EPEAT Silver registered and carries the EPEAT Climate+ designation.

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With its Intel Core Ultra 7 processor, NVIDIA GeForce RTX 4060 graphics, 16GB DDR5 memory, 1TB SSD and 16-inch WQXGA touchscreen, the Dell Inspiron 7640 is a versatile notebook for demanding users. It offers a strong balance of processing power, dedicated graphics, AI capabilities, connectivity and a high-resolution touchscreen in a premium Ice Blue design.

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Specifications:

Processor	Up to Core Ultra 9 Processor
Operating System	Windows 11 Home
	Windows 11 Pro
Graphics Card	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 12th & 13th Generation Intel Core processors)
Display	Discrete:
	16", 2.5K 2560 x 1600, 120 Hz, WVA with Dolby Vision, Non-Touch, Anti-Glare, 300 nit, 100% sRGB, ComfortView Plus
	Integrated:
	16", FHD+ 1920 x 1200, 60 Hz, WVA with Dolby Vision, Non-Touch, Anti-Glare, 300 nit, 100% sRGB, ComfortView Plus
	16", FHD+ 1920 x 1200, 60 Hz, WVA with Dolby Vision, Touch, Glossy, 300 nit, 100% sRGB, ComfortView Plus
	16", 2.5K 2560 x 1600, 120 Hz, WVA with Dolby Vision, Non-Touch, Anti-Glare, 300 nit, 100% sRGB, ComfortView Plus
	16", 16:10 FHD+ (1920 x 1200) Anti-Glare Non-Touch 250nits WVA Display with ComfortView Support)
Memory	Discrete:
	2x DDR5, 5600 MT/s, dual-channel
	Integrated:
	LPDDR5x, 6400 MT/s, dual-channel
Storage	M.2 2280, Gen 4 PCIe x4 NVMe, SSD

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Product Specification Sheet

Ports	Laptops with built-in Intel graphics:
	1 Universal audio jack
	2 USB 3.2 Gen 1 Type-A
	1 Power jack
	1 Thunderbolt 4 Gen 2 Type-C port with DisplayPort and Power Delivery
	1 HDMI 1.4 port
	**The maximum resolution supported over HDMI is 1920x1080 @60Hz. No 4K/2K output.
	Laptops with NVIDIA GeForce RTX discrete graphics:
	1 Universal audio jack
	2 USB 3.2 Gen 1 Type-A
	1 Power jack
	1 Thunderbolt 4 Gen 2 Type-C port with DisplayPort and Power Delivery
	1 HDMI 2.1
	Power
	100W AC adapter, USB Type-C
Optical Drive	Not supported
Slots	Integrated:
	1 SD-card slot
	Discrete:
	1 Micro-SD card slot
Dimensions & Weight	Intel Graphics
	Height: 0.66 in. - 0.78 in. (16.70 mm - 19.75 mm)
	Width: 14.05 in. (356.78 mm)
	Depth: 9.87 in. (250.60 mm)
	Starting Weight: 4.19 lb (1.90 kg)
	NVIDIA Graphics
	Height: 0.69 in. - 0.78 in (17.40 mm - 19.90 mm)
	Width: 14.05 in. (356.78 mm)
	Depth: 9.87 in. (250.60 mm)
	Starting Weight: 4.94 lb (2.24 kg)
Camera	Integrated Widescreen FHD (1080p) Webcam with Dual Digital Microphone Array with Temporal Noise Reduction enabled
Audio and Speakers	(2) tuned speakers (with Intel graphics), audio processing by Dolby Atmos Core and Waves MaxxAudio Pro
	(4) tuned speakers (with NVIDIA graphics), audio processing by Dolby Atmos Core and Waves MaxxAudio Pro

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Product Specification Sheet

Chassis	Exterior Chassis Material
	Aluminium exterior shell
	Color options: Ice Blue
	Touchpad Material
	Mylar
	Color options: Color match to chassis
Wireless	12th/13th Generation Intel Core i5/i7 processors
	Realtek Wi-Fi 6 RTL8852BE, 2x2, WiFi 802.11ax, MIMO, Bluetooth wireless card
	Intel Wi-Fi 6E AX211, 2x2, 802.11ax, MIMO, Bluetooth wireless card
	Intel Core Ultra 5/7/9 processors
	Intel Wi-Fi 6E AX211, 2x2, WiFi 802.11ax, MU-MIMO, Bluetooth wireless card
	Intel Wi-Fi 7 BE200, 2x2, WiFi 802.11be, MU-MIMO, Bluetooth wireless card
Primary Battery	Discrete:
	6-cell, 90 Wh Lithium Ion Polymer
	Integrated:
	4-cell, 64 Wh Lithium Ion Polymer
	6-cell, 90 Wh Lithium Ion Polymer
Battery Life	Up to 16 hours, 4 minutes

Product Information Online

For the latest product information, availability and purchasing details, please visit the product page:

Product page: <https://www.comx.co.za/Buy-Notebooks-Laptops-DL7640-U7-1T16G11P-Dell-Inspiron-lp-340141.php>

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