Nitro N50-640 (Win11) Specifications (v3-0-1)

Category	Description	Footnotes
Operating system	Windows 11 Pro 64-bit Windows 11 Home 64-bit. UEFI Shell No OS	
CPU and chipset	**CPU** • 12th Generation **Intel® Core™ i7** processor, Intel® UHD Graphics 770 • 12th Generation **Intel® Core™ i7** processor • 12th Generation **Intel® Core™ i5** processor, Intel® UHD Graphics 750 / 730 • 12th Generation **Intel® Core™ i5** processor **Chipset** • Intel® B660 Chipset	
Memory	16 GB DDR4 3200 MHz UDIMM 8 GB DDR4 3200 MHz UDIMM 4 GB DDR4 3200 MHz UDIMM Up to 32 GB of Dual-channel DDR4 3200 MHz	
Storage	**Hard disk drive** 2 TB 3.5-inch 7200 RPM 1 TB 3.5-inch 7200 RPM 1024 GB M.2 2280 PCI-e Gen4 SSD 1024 GB M.2 2280 PCI-e SSD 512 GB M.2 2280 PCI-e Gen4 SSD 512 GB M.2 2280 PCI-E SSD 256 GB M.2 2280 PCI-E SSD	
Graphics	**NVIDIA® GeForce RTX™ 3060** with 12 GB of GDDR6 (supporting: HDMI®, 3x DisplayPort™) **NVIDIA® GeForce RTX™ 3060 Ti** with 8 GB of GDDR6 (supporting: HDMI®, 3x DisplayPort™) **NVIDIA® GeForce® GTX 1660 SUPER™** with 6 GB of GDDR6 (supporting: HDMI®, DisplayPort™, DVI-D) **NVIDIA® GeForce® GTX 1650** with 4 GB of GDDR5 (supporting: HDMI®, DVI-D)	
Audio	DTS:X® Ultra	
Communication	**WLAN** 802.11ax/ac/a/b/g/n, Wi-Fi 6E and Bluetooth® 5 802.11ax/ac/a/b/g/n, Wi-Fi 6 and Bluetooth® 5	

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Input and output	**Front/Side I/O connectors** • Card reader: N • Audio jack(s): 2 • USB 3.2 Gen2 Type A port(s): 1 • USB 3.2 Gen2x2 Type C port(s): 1 **Rear I/O connectors** • LAN port(s): 1 • Audio jack(s): 3 • USB 2.0 Type A port(s): 4 • USB 3.2 Gen1 Type A port(s): 2	
Expansion slot(s)	• Number of PCIe x16 slot(s): 1 • Number of PCIe x1 slot(s): 1 • M.2 slot (for SSD): 2 • M.2 slot (for WLAN): 1	
Windows Desktop Apps	**Content** App Explorer (2021.Q2) Hao123_Favorite (2021.Q2) Ixigua_Favorite (2021.Q2) **Games** Forge of Empires (2021.Q2) QQ Games (2021.Q2) **In-House** Acer Care Center (DT UWP) Acer Configuration Manager (2021.Q2) Acer Product Registration (DT WN) Acer User Experience Program Framework (DT WN) Power Management Setting (DT WN) Quick Access (DT WN) Storage Utilities (DT WN) **Lifestyle** Agoda_Favorite (2021.Q2) Booking.com_Favorite (2021.Q2) Facebook Messenger (2021.Q2) Facebook_Favorite (2021.Q2) **Others** PhotoDirector 8 LE (DT WN) PowerDirector14 LE (DT WN) **Productivity** Dropbox Promotion (2021.Q2) Microsoft Office (DT WN) Microsoft Office Installer (DT WN) MyOffice®_Spreadsheet (2021.Q2) MyOffice®_Text (2021.Q2) WPS China (2021.Q2)	

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	Search Baidu Favorite (2021.Q2) Baidu Weblink (2021.Q2) Firefox (2021.Q2) NitroSense (DT WN) Yandex Browser (2021.Q2) Yandex Favorite (2021.Q2) **Security** Norton Security Ultra PC Manager (2021.Q2) **Shopping** AMZ Favorite (2021.Q2) **Tools** Figleaf (2021.Q2)	
Dimensions	175 (W) x 386 (D) x 392 (H) mm (6.89 x 15.2 x 15.43 inches)	
Power supply and adapter	**Power supply** 500 W PFC, auto-sensing, 80PLUS$^{\#}$ Gold, ATX 300 W PFC, auto-sensing, 80PLUS$^{\#}$ Platinum, ATX	
System compliance	RoHS	
Options and accessories	Qi^{TM} Certified Wireless charging (Max. output power: 10 W) Wireless (2.4 GHz RF) keyboard and mouse USB keyboard and mouse	
Certification	BSMI VCCI CCC CE FCC CB	

As a phenomenon known to thin-film transistors (TFTs), liquid crystal displays (LCDs) commonly exhibit a small number of discoloration dots, as so-called "non-conforming pixels." This phenomenon is a limitation of TFT LCD technology, not a product defect, and as such is not covered by Acer's warranty.

In a continuing effort to improve the quality of our products, information in this document is subject to change without notice. Images shown are only representations of some of the configurations available for this model. Availability may vary depending on region.

About Acer

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Founded in 1976, Acer is one of the world's top ICT companies with a presence in more than 160 countries. As Acer evolves with the industry and changing lifestyles, it is focused on enabling a world where hardware, software and services will fuse with one another, creating ecosystems and opening up new possibilities for consumers and businesses alike. Acer's 7,500 employees are dedicated to the research, design, marketing, sale, and support of products and solutions that break barriers between people and technology. Please visit www.acer.com for more information.

Appendix

v2-0-1 (Ver. 2)

Dimensions

[remove]

163 (W) x 350 (D) x 340 (H) mm (6.42 x 13.78 x 13.39 inches)

[add]

175 (W) x 386 (D) x 392 (H) mm (6.89 x 15.2 x 15.43 inches)

v3-0-1 (Ver. 3)

Software

[update]

Norton Security Ultra