NITRO 50

Windows 11

intel. CORE i7

intel. CORE i5

NVIDIA GeForce

DDR4 3200 MHz

USB 3.2

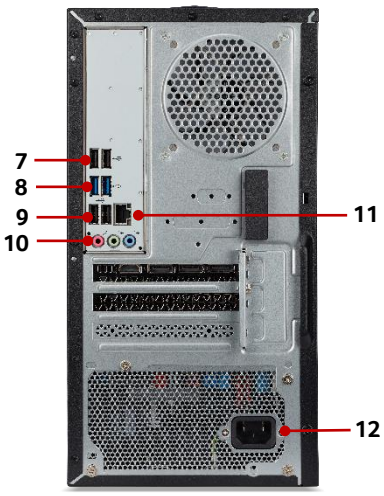
NitroSense

Wifi 6E connection

Immersive Gaming Audio

Dragon LAN

SPECIFICATIONS NITRO 50 N50-650



Product views	**1.** USB Type-C™ port (USB 3.2 Gen 2X2) **2.** USB 3.2 Gen 2 port **3.** Headset / speaker jack **4.** Microphone jack **5.** Power button **6.** Wireless charger	**7.** Two USB 2.0 ports **8.** Two USB 3.2 Gen 1 ports **9.** Two USB 2.0 ports **10.** Audio jacks **11.** Ethernet (RJ-45) port **12.** Power connector
Operating system	Windows 11 Pro 64-bit (Acer recommends Windows 11 Pro for business.) Windows 11 Home 64-bit	UEFI Shell No OS
CPU and chipset	**13th Generation Intel® Core™ i7** processor, Intel® UHD Graphics 770 **13th Generation Intel® Core™ i7** processor **13th Generation Intel® Core™ i5** processor, Intel® UHD Graphics 770 / 730 **13th Generation Intel® Core™ i5** processor Chipset: Intel® B760 Chipset	
Memory	16 GB / 8 GB / 4 GB DDR4 3200 MHz UDIMM ● Up to 32 GB of Dual-channel DDR4 3200 MHz	
Storage	**Hard disk drive** ● 1024 GB / 512 GB / 256 GB M.2 2280 PCIe Gen4 SSD ● 2 TB / 1 TB 3.5-inch 7200 RPM	
Graphics	**NVIDIA® GeForce® RTX™ 3060** with 12 GB of GDDR6 **NVIDIA® GeForce® RTX™ 3060 Ti** with 8 GB of GDDR6 **NVIDIA® GeForce® RTX™ 3050** with 8 GB of GDDR6 **NVIDIA® GeForce® GTX 1660 SUPER™** with 6 GB of GDDR6 **NVIDIA® GeForce® GTX 1650** with 4 GB of GDDR5 **Intel® Arc™ A380 Graphics** with 6 GB of GDDR6	
Audio	DTS:X® Ultra8	
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 **LAN** ● Killer™ E2600 Gigabit Ethernet	
Expansion slot(s)	● PCIe x16 slot(s): 1 ● PCIe x1 slot(s): 1 ● M.2 slot (for SSD): 2 ● M.2 slot (for WLAN): 1	
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	
Windows Desktop Apps	**In-House** ● Acer Care Center ● Acer Configuration Manager ● Acer Product Registration ● Acer User Experience Program Framework ● Power Management Setting ● Quick Access ● Storage Utilities **Search** ● NitroSense	**Security** ● PC Manager
System compliance	RoHS	
Options and accessories	● USB keyboard and mouse ● Wireless (2.4 GHz RF) keyboard and mouse ● Wireless charging (Max. output power: 10 W)	
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.

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