

Buyers Guide | C1 2022

Acer[®] Nitro 50 Desktop N50-640-UR11



Acer® Confidential v1 - January 04, 2022



Model	Acer® Nitro 50 N50-640-UR11 Desktop
MSRP	\$879.99
On-Shelf Date	April 1, 2022

High Level Specifications

- 12th Generation Intel® Core™ i5-12400F 6-Core Processor (Up to 4.4GHz)
- ◆ NVIDIA® GeForce® GTX 1650 Graphics with 4GB GDDR5
- 8GB DDR4 3200MHz Memory
- 512GB M.2 2280 PCIe SSD
- DTS: X® Ultra
- Intel® Wireless Wi-Fi 6E AX211 (Gig+) 802.11ax supporting dual-stream 2.4GHz, 5GHz and 6GHz bands featuring 2x2 MU-MIMO technology
- Realtek® 8118AS Dragon 10/100/1000 Gigabit Ethernet LAN (RJ-45 Port)
- Bluetooth 5.2
- 1 USB 3.2 Type C Gen 2x2 port (up to 20 Gbps) (Front)
- 1 USB 3.2 Gen 2 Port (Front)
- 2 USB 3.2 Gen 1 Ports (Rear)
- 4 USB 2.0 Ports (Rear)
- ♦ 1 HDMI 2.0 Port & 1 DVI Port
- Windows 11 Home

What's in the Box

- Desktop
- USB KeyboardUSB Mouse
- Power Cord

Key Features









Web Description

Acer Nitro 50 N50-640-UR11 Desktop, 12th Gen Intel Core i5-12400F, GeForce GTX 1650 Graphics, 8GB DDR4 3200MHZ Memory, 512 GB M.2 2280 PCIe SSD, DTS: X Ultra, Intel Wireless Wi-Fi 6E AX211 (Gig+) 802.11ax, USB Keyboard and Mouse, Windows 11 Home



It Lies Within

The fiery-accented, black metal Nitro 50 gaming PC is all the fuel you need for those high frame, lag-free game sessions. Go on and switch settings to ultra with an injection of the latest 12th Gen Intel Core™ i5 Processor and GeForce GTX™ 1650 graphics. Next, toss in its advanced cooling, stellar audio capabilities, and high speed connectivity and you quickly see why the Nitro 50 delivers a knockout blow to the competition!

Features



Built to Conquer

The fiery-accented, black metal Nitro 50 gaming PC sets the mood for an intense journey into the realm of gaming. The expertly crafted 18 liter chassis fits neatly on your desk or on the floor.





Stay Connected

High-speed Intel® Mr-Fi 6E AX211 (Gig+) and Realtek Dragon LAN work hard to keep our pings low and joys high. Connect, zip through your transfer, donel Easy access front I/O ports including USB 3.2 Gen 2 and USB 3.2 Type C Gen 2x2 providing ultra-fast data transfers and quick device charging in a port that is one-third the size of a current USB Port and reversible - no need to worry about plugging it in upside down.



Process a New Reality

The latest 12th Gen Core i5 processor from Intel® delivers unmatched speed and intelligence, enabling impressive gaming, productivity and creating experiences with faster Wi-Fi 6E connectivity. When you're challenging your buddies in the latest battle, you'll be confident knowing you've got the power of an 12th Generation Intel® Core™ processor.



Dive Into DTS: X® Ultra

Turn any pair of headphones or speakers into a high-end 360° surround sound system – enabling you to experience your favorite movies, music and games with real-world spatial sound.



Game Ready!

Leap into Full HD action with NVIDIA's GeForce GTX 1650 Graphics with 4GB of GDDR5 Video Memory. Discover unprecedented performance and experience the latest titles in their full glory—powered by NVIDIA Turing™ architecture.



A Sense of Control

NitroSense is the ultimate tool to control and customize your gaming experience from one place. Exercise control over every aspect of your gaming PC. Monitor fan speed and adjust in real time by setting fans to automatic, customizing their speed or setting them to max when the heat is on.

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Acer® Nitro 50 N50-640-UR11 Desktop Detailed Product Specifications

Processor

12th Generation Intel® Core™ i5-12400F 6-Core Processor 2.5GHz with Single P-Core Turbo Frequency⁽¹⁾ of up to 4.4GHz (18MB Smart Cache)

Memory

8GB DDR4 3200MHz Memory⁽²⁾ (1 x 8GB), Maximum 32GB 2 DDR4 Slots (Total) | 1 DDR4 Slot (Available)

Video

NVIDIA® GeForce® GTX 1650 Graphics with 4GB GDDR5 Video Memory

Audio

DTS: X® Ultra

Hard Drive

512GB M.2 2280 PCIe SSD⁽⁵⁾

Optical Drive

N/A

Digital Media Card Reader

N/A

Communications

Intel® Wireless Wi-Fi 6E AX211 (Gig+) 802.11ax supporting dual-stream 2.4GHz, 5GHz and 6GHz bands featuring 2×2 MU-MIMO technology Realtek® 8118AS Dragon 10/100/1000 Gigabit Ethernet LAN (RJ-45 Port) Bluetooth® 5.2

Input Devices

USB Keyboard and Optical Mouse

Interfaces

- 1 USB 3.2 Type C Gen 2x2 port (up to 20 Gbps) (Front)
- 1 USB 3.2 Gen 2 Port (Front)
- 2 USB 3.2 Gen 1 Ports (Rear)
- 4 USB 2.0 Ports (Rear) 1 - HDMI™ 2.0 Port
- 1 DVI Port
- 2 Audio Ports (Front)
- 3 Audio Ports (Rear)
- 1 Ethernet RJ-45 Port

Expansion Slots

 Total
 Available

 1 - PCI-E x16
 0 - PCI-E x16

 1 - PCI-E x1
 1 - PCI-E x1

 3 - M.2
 1 - M.2

Expansion Bays

 Total
 Available

 2 - 3.5" HDD
 2 - 3.5" HDD

Power Supply

500W

Dimensions (System)

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

Dimensions (Box)

19.29 (L) x 9.41 (W) x 20.31 (H) inches 490 (L) x 239 (W) x 516 (H) mm

Weights

Approximately 16.58 lbs. | 7.52 kg (system unit only) Approximately 22.2 lbs. | 10.07 kg (box)

Pallet Quantity

40 units per pallet

Limited Warranty

1 Year Parts and Labor Limited Warranty with Toll-Free Tech Support (3)

UPC

195133147675

Part Number

DG.E30AA.001

Software

Windows 11 Home

Microsoft[®] Office Trial⁶ Anti-Virus Software Trial⁴ Acer Care Center

- (1) Overall system performance is based on several PC attributes. GHZ, processor clock speed, is one of the attributes. Efficient-core frequencies are lower to optimize power usage. The frequency cores and core types varies by workload, power consumption and other factors.
- (2) Shared system memory may be allocated to support integrated graphics depending on system memory size and other factors. Actual system memory available to the operating system will be reduced by the amount of shared system memory utilized by the graphics solution and resources required by the operating environment.
- (3) For a free copy of the standard limited warranty end-users should see a reseller where Acer products are sold or write to Acer America Corporation, Warranty Department, P.O. Box 6137, Temple, TX 76503. TFT displays commonly exhibit a small number of discolored dots, so-called "nonconforming pixels." This phenomenon is a limitation of FTT LCD technology, not a product defect and, as such, is not covered by the limited warranty or by the upgrade programs. For International travelers warranty Valid only in countries where Acer has an authorized repair facility. For a list of those countries go to http://global.acer.com/support/itw.htm. or call 800-816-2237. Services and response times may vary in countries outside the U.S. and Canada

(4) Internet access required. 30-day trial.

- (5) 1 GB is 1 billion bytes. Actual formatted capacity is less and may vary depending on preloaded materials and operating environment. Acer eRecovery Management utilizes up to 8 GB (10 GB with Microsoft® Office Starter 2010 Trial) of the stated hard disk capacity as dedicated backup space.
- (6) Microsoft Office Trial included. After or during the 30-day trial, purchase an Office Product Key to activate one of the following Office suites preloaded on this PC: Office Home and Student, Office Home and Business, Office Professional.

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