



# Buyers Guide | BTS 2020

Acer® Nitro 50 Desktop

N50-610-UR14





Model	Acer® Nitro 50 N50-610-UR14 Desktop
MSRP	\$799.99
On-Shelf Date	July 30, 2020

### High Level Specifications

- 10th Generation Intel® Core™ i5-10400F Processor (Up to 4.3GHz)
- NVIDIA® GeForce® GTX 1650 Graphics with 4GB GDDR5
- 8GB DDR4 2666MHz Memory
- 512GB NVMe M.2 SSD
- DTS: X® Ultra
- Intel® Wireless Wi-Fi 6 AX201 802.11ax Dual-Band 2.4GHz and 5GHz featuring 2x2 MIMO technology (Max Speed up to 2.4Gbps)
- Realtek® 8118AS Dragon 10/100/1000 Gigabit Ethernet LAN (RJ-45 Port)
- Bluetooth 5.1
- 1 - USB 3.2 Type C Gen 2 port (up to 10 Gbps) (Front)
- 1 - USB 3.2 Gen 2 Port (Front)
- 4 - USB 3.2 Gen 1 Port (Rear)
- 2 - USB 2.0 Ports (Rear)
- 1 - HDMI Port & 1 - DVI Port
- Windows 10 Home

### What's in the Box

- Desktop
- USB Keyboard
- USB Mouse
- Power Cord

### Key Features



### Web Description

Acer Nitro 50 N50-610-UR14 Desktop, 10th Gen Intel Core i5-10400F, GeForce GTX 1650 Graphics, 8GB DDR4, 512GB NVMe M.2 SSD, DTS: X Ultra, Intel Wireless Wi-Fi 6 AX201 802.11ax, USB Keyboard and Mouse, Windows 10 Home



### Dominate the Battlefield

The powerful Nitro 50 desktop delivers an iconic gaming experience courtesy of the many awesome features inside, including its 10th Gen Intel® Core™ i5 processor and NVIDIA GeForce® GTX 1650 graphics—that's powered by NVIDIA Turing™ GPU architecture! Next, toss in its advanced cooling and stellar audio capabilities, and all of the other gaming-rich features, and you quickly see why the Nitro 50 delivers a knockout blow to the competition! Dominate the battlefield with Acer's new Nitro 50 gaming desktop, including everything you need to take control of the action.

### Features



#### Built to Conquer

Dynamic contours and burning red LEDs set 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 while FrostBlade™ Cooling maximizes on keeping temps and frames high.



#### Process a New Reality

Reign over the gaming world with the power of a 10th Gen Intel® Core™ i5 processor with premium performance and enhanced features, this desktop is always ready for real-life productivity, creativity, gaming and entertainment. When you're challenging your buddies in the latest battle, you'll be confident knowing you've got the power of a 10th Gen Intel® Core™ i5 processor.



#### 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.



Reversible type-C connector

#### SuperSpeed Data Transfer!

Connect, zip through your transfer, done! Easy access front I/O ports including USB 3.2 Gen 2 and Type-C provide 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.



#### Shattering Sound

Better audio delivers a competitive edge as well as a more immersive experience. With DTS:X® Ultra, sounds are clear and can be delivered in a 3D spatial soundscape, allowing you to hear where your opponents are coming from with pinpoint precision.



#### A Sense of Control

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.

# Acer® Nitro 50 N50-610-UR14 Desktop

## Detailed Product Specifications

### Processor

10th Generation Intel® Core™ i5-10400F Processor 2.9GHz with Turbo Boost 2.0 Technology<sup>(1)</sup> up to 4.3GHz (12MB Smart Cache)

### Memory

8GB DDR4 2666MHz Memory<sup>(2)</sup> (1 x 8GB), Maximum 64GB  
4 DDR4 Slots (Total) | 3 DDR4 Slots (Available)

### Video

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

### Audio

DTS: X® Ultra

### Hard Drive

512GB NVMe M.2 SSD<sup>(5)</sup>

### Optical Drive

N/A

### Digital Media Card Reader

N/A

### Communications

Intel® Wireless Wi-Fi 6 AX201 802.11ax Dual-Band 2.4GHz and 5GHz featuring 2x2 MU-MIMO technology (Max Speed up to 2.4Gbps)  
Realtek® 8118AS Dragon 10/100/1000 Gigabit Ethernet LAN (RJ-45 Port)  
Bluetooth® 5.1

### Input Devices

USB Keyboard and Optical Mouse

### Interfaces

1 - USB 3.2 Type C Gen 2 port (up to 10 Gbps) (Front)  
1 - USB 3.2 Gen 2 Port (Front)  
4 - USB 3.2 Gen 1 Port (Rear)  
2 - USB 2.0 Ports (Rear)  
1 - HDMI 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
2 - M.2	0 - 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<sup>(3)</sup>

### UPC

193199802415

### Part Number

DG.E26AA.001

### Software

#### Windows 10 Home

Microsoft® Office Trial<sup>6</sup>  
Anti-Virus Software Trial<sup>4</sup>  
Acer Care Center

(1) Overall system performance is based on several PC attributes. GHZ, processor clock speed, is one of the attributes. Intel Turbo Boost Technology performance varies depending on hardware, software and overall system configuration.

(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 TFT 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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