

Acer N85-600-UR35

Acer Nitro 85 Gaming Desktop (N85-600-UR35) User Manual

Model: N85-600-UR35

INTRODUCTION

This manual provides essential information for setting up, operating, maintaining, and troubleshooting your Acer Nitro 85 Gaming Desktop. Please read this manual thoroughly before using the product to ensure proper function and longevity. The Acer Nitro 85 is a high-performance gaming desktop featuring an Intel Core Ultra 7 processor 265F and NVIDIA GeForce RTX 5070 graphics. It is designed for demanding gaming and creative tasks, offering advanced cooling, high-speed connectivity, and a panoramic glass chassis.

SETUP

1. Unboxing and Package Contents

Carefully remove all components from the packaging. Ensure all items listed below are present:

- Acer Nitro 85 Gaming Desktop
- Power Cord
- USB Keyboard
- USB Mouse

2. Connecting Peripherals

Connect your monitor, keyboard, and mouse to the appropriate ports on the desktop. The desktop includes a USB keyboard and mouse for immediate use.

- **Monitor:** Connect your monitor to one of the available DisplayPort 2.1 or HDMI 2.1 ports on the graphics card.
- **Keyboard & Mouse:** Connect the USB keyboard and mouse to any available USB ports. The top panel features 1 USB 3.2 Gen1 Type-C and 2 USB 3.2 Gen1 Type-A ports for convenient access.
- **Audio:** Connect speakers or headphones to the audio jack on the top panel or the rear audio jacks.

3. Power Connection

Connect the power cord to the desktop's power input and then to a grounded electrical outlet.

4. Initial Boot and Operating System Setup

Press the power button located on the desktop. The system comes with Windows 11 Home pre-installed. Follow the on-screen instructions to complete the initial Windows setup.

5. Network Connection

The Nitro 85 supports both wired and wireless network connections.

- **Wired (Ethernet):** Connect an Ethernet cable from your router or modem to the RJ-45 Ethernet port on the rear of the desktop. The system supports Realtek 2.5GbE LAN.
- **Wireless (Wi-Fi):** The desktop is equipped with Realtek Wi-Fi 7. Follow the Windows 11 instructions to connect to your wireless network.



Image: Acer Nitro 85 desktop highlighting Wi-Fi 7 connectivity. The desktop features high-speed Realtek Wi-Fi 7 and 2.5GbE LAN for low-latency network performance.

OPERATING YOUR DESKTOP

1. General Usage

Your Acer Nitro 85 is ready for use after initial setup. Utilize the powerful Intel Core Ultra 7 processor and NVIDIA GeForce RTX 5070 graphics for gaming, content creation, and everyday computing tasks.



Image: A user operating the Acer Nitro 85 desktop, showcasing its panoramic curved glass chassis and internal components.

2. Key Features

- **Processor:** Intel Core Ultra 7 265F with 20 cores and up to 5.3GHz boost, including a dedicated NPU for AI tasks.
- **Graphics:** NVIDIA GeForce RTX 5070 GPU with 12 GB GDDR7 video memory, supporting DLSS 4 for enhanced visuals and performance.
- **Memory:** 16GB DDR5 RAM, expandable up to 128GB.
- **Storage:** 1TB PCIe 4.0 NVMe SSD for fast boot times and application loading.
- **Cooling:** Reliable aRGB CPU cooler with high-airflow fan blades and U-shaped copper heat pipes for efficient thermal management.

Power. Performance. Playtime!

Crush today's biggest games with smooth, responsive power from the Nitro 85 gaming desktop, driven by the Intel® Core™ Ultra 7 processor 265F and NVIDIA® GeForce RTX™ 5070 graphics delivering an astonishing 988 AI TOPS. Advanced cooling keeps performance locked in, while immersive audio and high-speed connectivity elevate every session. It all comes together in a bold panoramic curved glass chassis with tempered glass panels, striking reverse-ring ARGB fans, and unapologetic attitude—making the Nitro 85 a true knockout in both performance and style.



Image: Close-up of the Intel Core Ultra 7 processor, highlighting its advanced architecture.

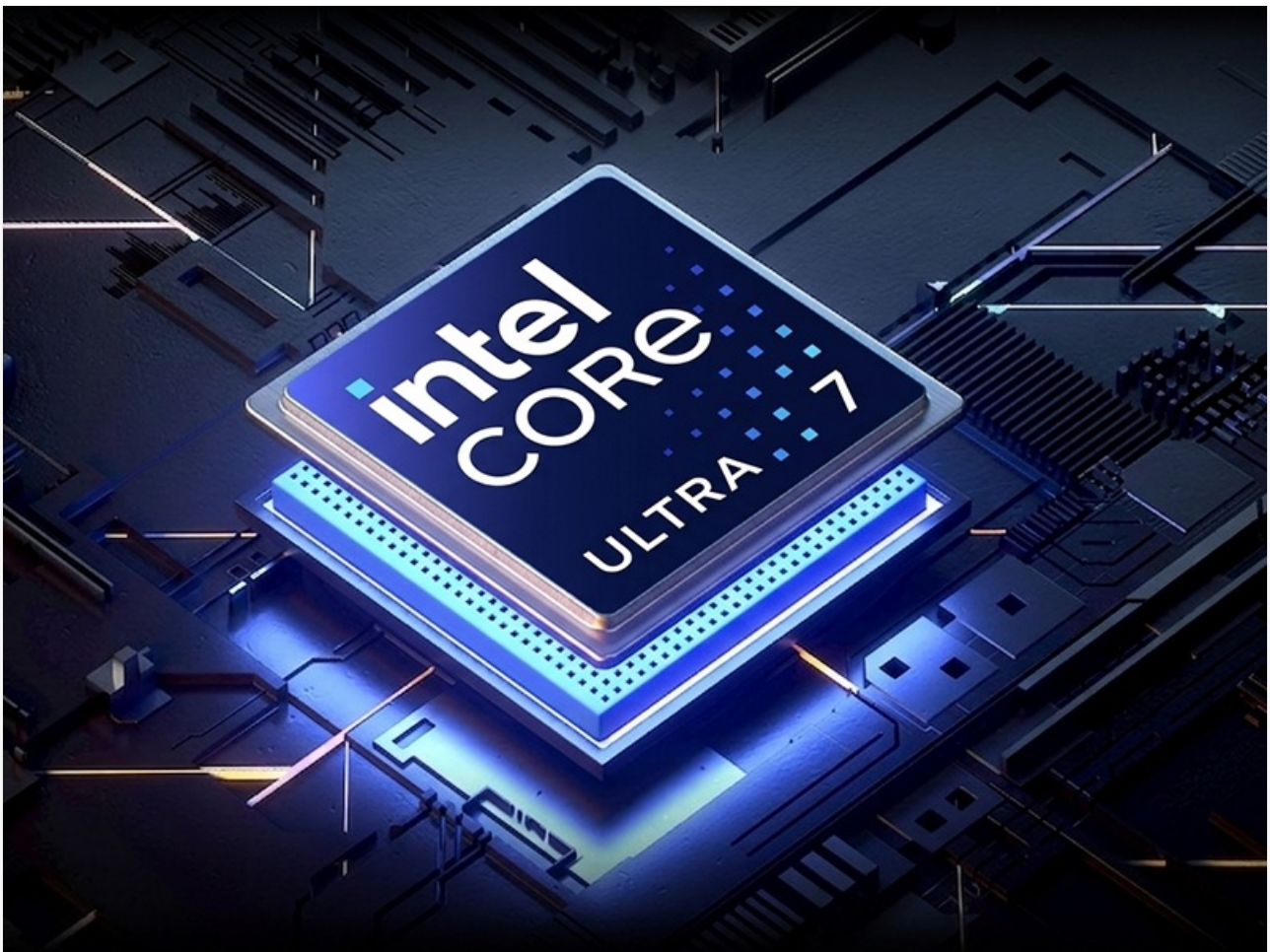


Image: A user engaged in gaming on the Acer Nitro 85 desktop, featuring the NVIDIA GeForce RTX graphics card.

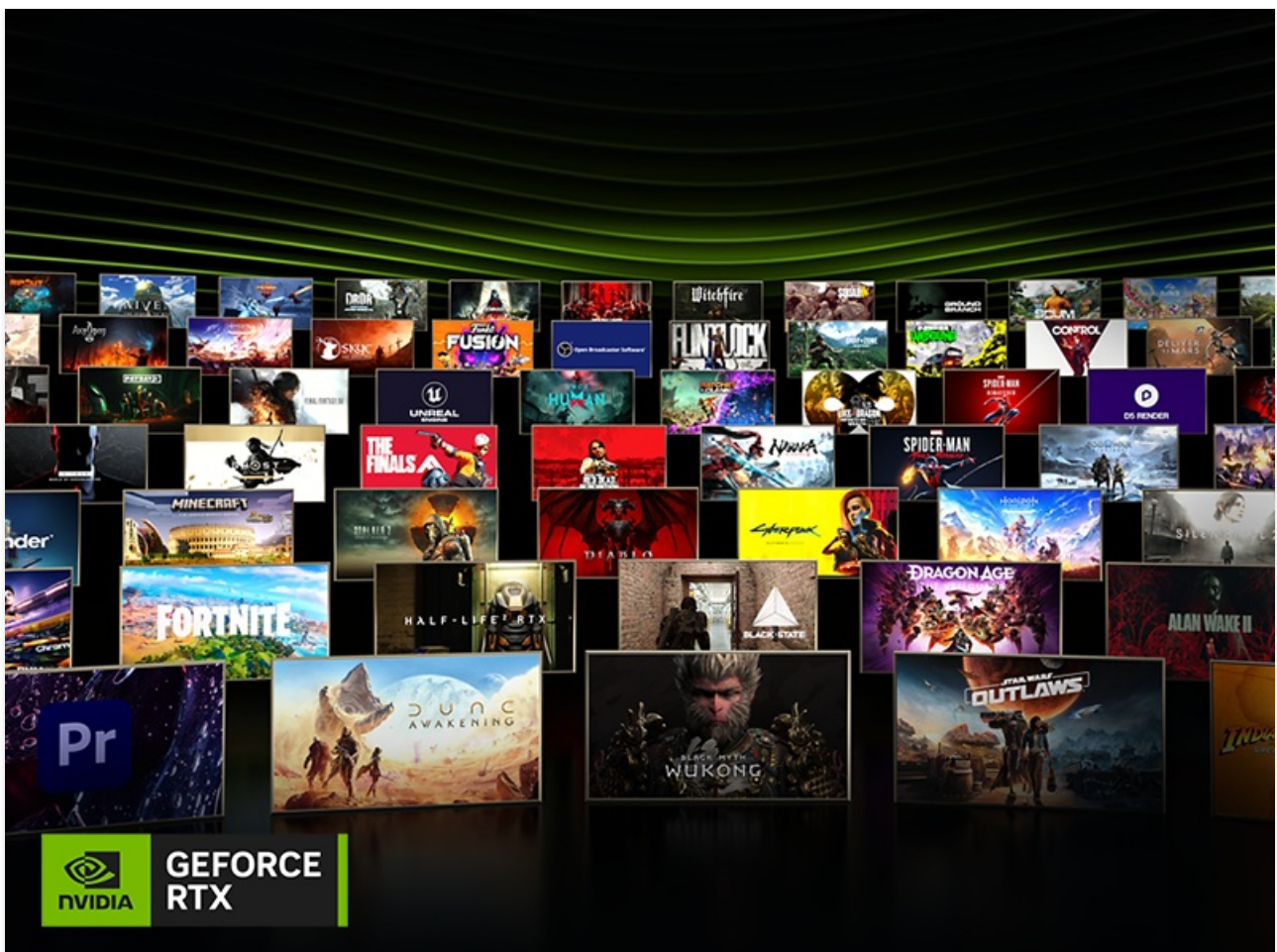


Image: A visual demonstrating the impact of DLSS technology on graphics rendering, showing enhanced image quality.



Image: A side-by-side comparison of a game scene with RTX OFF and RTX ON, illustrating the enhanced realism provided by ray tracing.

3. Port Overview

The desktop offers a comprehensive selection of ports for various connections:

Location	Port Type	Quantity	Description
Top	USB 3.2 Gen1 Type-C	1	5 Gbps data transfer
Top	USB 3.2 Gen1 Type-A	2	5 Gbps data transfer
Top	Audio Jack	1	Headphone/Microphone combo
Rear	USB 3.2 Gen2 Type-A	1	10 Gbps data transfer
Rear	USB 3.2 Gen1 Type-A	2	5 Gbps data transfer
Rear	USB 2.0	3	480 Mbps data transfer
Rear	Wi-Fi EZ-Plug	1	For Wi-Fi antenna connection
Rear	Audio Jacks	3	Line-in, Line-out, Microphone
Rear	RJ-45 Ethernet Port	1	2.5GbE LAN
Graphics Card	DisplayPort 2.1	3	Video output
Graphics Card	HDMI 2.1	1	Video output

MAINTENANCE

1. Cleaning

- **Exterior:** Use a soft, damp cloth to clean the exterior surfaces. Avoid abrasive cleaners.
- **Dust:** Periodically use compressed air to clear dust from ventilation grilles and internal components (when the system is powered off and unplugged). This helps maintain optimal cooling performance.

2. Software Updates

- **Operating System:** Regularly check for and install Windows updates to ensure system stability and security.
- **Drivers:** Keep your graphics card drivers (NVIDIA GeForce) and other component drivers updated. Visit the Acer support website or NVIDIA's official website for the latest drivers.

3. System Backups

Regularly back up your important data to an external drive or cloud storage to prevent data loss.



Image: A user gaming on the Acer Nitro 85 desktop, showcasing the integrated aRGB lighting and cooling system.

TROUBLESHOOTING

This section addresses common issues you might encounter. For more complex problems, refer to Acer's official support resources.

1. No Power

- Ensure the power cord is securely connected to both the desktop and the electrical outlet.
- Verify the power outlet is functional by plugging in another device.
- Check the power supply switch on the rear of the desktop (if present) is in the 'ON' position.

2. No Display on Monitor

- Confirm the monitor is powered on and connected correctly to the graphics card's DisplayPort or HDMI port.
- Ensure the correct input source is selected on your monitor.
- Try connecting the monitor to a different display output port on the graphics card.

3. Network Connectivity Issues

- **Wired:** Check the Ethernet cable connection. Restart your router/modem.
- **Wireless:** Verify Wi-Fi is enabled in Windows settings. Ensure you are connected to the correct network and have entered the password correctly. Restart your router.

4. System Performance Issues

- Ensure all drivers (especially graphics drivers) are up to date.
- Check for background applications consuming excessive resources using Task Manager (Ctrl+Shift+Esc).
- Ensure adequate ventilation around the desktop to prevent overheating.

SPECIFICATIONS

Detailed technical specifications for the Acer Nitro 85 Gaming Desktop (N85-600-UR35).

Feature	Specification
Brand	Acer
Model Name	Acer Nitro 85
Model Number	N85-600-UR35
Operating System	Windows 11 Home
CPU Model	Intel Core Ultra 7 265F
CPU Speed	1.8 GHz (Base), up to 5.3 GHz (Boost)
Processor Cores	20
Graphics Coprocessor	NVIDIA GeForce RTX 5070
Graphics Card RAM	12 GB GDDR7
RAM Memory Installed	16 GB DDR5
RAM Memory Maximum Size	128 GB
Storage	1 TB PCIe 4.0 NVMe SSD
Wireless Connectivity	Realtek Wi-Fi 7 (802.11.be), Bluetooth
Wired Connectivity	Realtek 2.5GbE Ethernet
USB Ports (Total)	9
Video Output	3x DisplayPort 2.1, 1x HDMI 2.1
Audio	Realtek Audio, Multiple Audio Jacks
Dimensions (L x W x H)	19.5 x 9.6 x 18.4 inches
Color	Black
Included Peripherals	USB Keyboard, USB Mouse



Stay Fast. Stay Connected.

The Nitro 85 keeps you in the game with high-speed Realtek® Wi-Fi 7 and 2.5GbE LAN for low-latency play and lightning-quick downloads. Front-mounted USB 3.2 Type-C and Type-A ports let you plug in on the fly, while nine rear USB ports handle all your connections and fast data transfers.

Image: Front view of the Acer Nitro 85 desktop with its dimensions (19.5" L x 9.6" W x 18.4" H) clearly indicated.

WARRANTY INFORMATION

The Acer Nitro 85 Gaming Desktop comes with a **1 Year Parts and Labor Limited Warranty**. For specific terms and conditions, please refer to the warranty card included with your product or visit the official Acer support website.

SUPPORT

For technical assistance, driver downloads, or further product information, please visit the official Acer support website or contact Acer customer service. Keep your product's model number (N85-600-UR35) and serial number ready when contacting support.

Acer Support Website: www.acer.com/support

ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question