Razer Tomahawk Gaming Desktop Manual and FAQ

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At a Glance: Razer Tomahawk Gaming Desktop

Introducing a new breed of gaming desktops & chassis that redefines what a rig should be. The Razer Tomahawk Gaming Desktop | RZ42-0365x is designed around Intel's Next Unit of Computing (NUC) architecture, its compact form boasts the latest tech specs, yet remains modular enough to meet the ever-raising bar of high-end PC performance

Device Layout
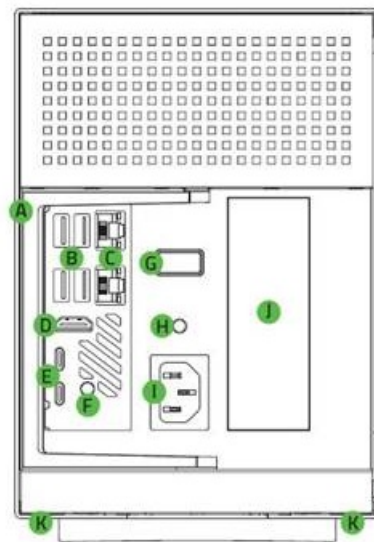
A Release lever
B USB Type-A ports (USB 3.2 Gen 2)
C Gigabit Ethernet ports
D HDMI™ 2.0a ports
E Thunderbolt™ 3 ports (Type-C)
F 3.5 mm Line-out / optical out port
G Power button
H 3.5 mm audio + mic combo jack
I Power port
J PCI-E slot cover
K Razer Chroma™ RGB
  Underglow Lighting

Technical Specifications

Product Code	RZ42-03650200	RZ42-03651100
Processor	9th Gen Intel Core i9-9980HK Clock Speed: 2.4GHz / 5.0GHz (Turbo), 8 Core, 16 Thread, 16MB Cache	9th Gen Intel Core i9-9980HK Clock Speed: 2.4GHz / 5.0GHz (Turbo), 8 Core, 16 Thread, 16MB Cache
Graphics Card	Unpopulated PCIe Slot (PCIe x16)	NVIDIA GeForce RTX 3080 Graphics Founders Edition
Storage	512GB PCIe NVMe + 2TB HDD (5400 RPM)	512GB PCIe NVMe + 2TB HDD (5400 RPM)
Additional Storage	Unpopulated M.2 Slot	Unpopulated M.2 Slot
Memory	16GB DDR4 2667MHz	16GB DDR4 2666MHz
Wi-Fi	Wi-Fi 6 (AX200)	Wi-Fi 6 (AX200)
Bluetooth	Bluetooth 5.0	Bluetooth 5.0
USB Ports	4x USB3.2 Gen 2 Type A 2x USB3.2 Gen 2 Type C (Thunderbolt 3 Ports)	4x USB3.2 Gen 2 Type A 2x USB3.2 Gen 2 Type C (Thunderbolt 3 Ports)
Thunderbolt 3™	2x Thunderbolt 3	2x Thunderbolt 3
Ethernet Ports	2x RJ-45 (10, 100, 1000Mb)	2x RJ-45 (10, 100, 1000Mb)
Audio Ports	3.5mm Line Out / Optical out port 3.5mm Headset Port	3.5mm Line Out / Optical out port 3.5mm Headset Port
Active Cooling	2x 120mm Fans	2x 120mm Fans
Power Supply	750W	750W
Dimensions (Approx.)	8.27 in / 210 mm (Height) x 5.91 in / 150 mm (Width) x 14.37 in / 365 mm (Depth)	
Material	All Metal Chassis	All Metal Chassis
Color	Black	Black
Chroma Integration	Chroma Base	Chroma Base
Weight (Approx.)	16.2lbs / 7.35Kg	18.3lbs / 8.3Kg

For more information about Intel® NUC 9 Extreme Compute Element, click **here**.

Can I use the Razer Tomahawk Gaming Desktop without installing a graphics card?

Yes, the I/O ports including the USB and Ethernet will continue to function without a graphics card installed. It comes with an integrated UHD 630 for display.

How do I change the Razer Chroma lighting on Razer Tomahawk Gaming Desktop?

The lighting can be configured in Razer Synapse 3 software on Windows 10 systems. Razer Synapse 3 is not compatible with macOS.

Can I connect my Razer Blade laptop to the Razer Tomahawk Gaming Desktop?

No, The Razer Tomahawk Gaming Desktop is a standalone PC and is not designed to be connected to a laptop like the Razer Core.

In which countries are the Razer Tomahawk Gaming Desktop available?

Please check the **[Razer website](#)** for the availability of the Razer Gaming Desktop in your region.

What are the connection ports available on the Razer Tomahawk Gaming Desktop?

The following are the available ports on the Razer Tomahawk Gaming Desktop:

- 4x USB3.2 Gen 2 Type-A
- 2x USB3.2 Gen 2 Type C (Thunderbolt 3 Ports)
- 2 x RJ45 LAN Port 1Gbe (Gigabit Ethernet)
- 3.5mm Line Out / Optical out port
- 3.5mm Headset Port

Can I connect my optical audio equipment to Razer Tomahawk Gaming Desktop?

The Razer Tomahawk Gaming Desktop has a Mini-3.5mm Lineout / Optical out port which will support that.

Optical out port is a standardized optical fiber connector smaller than the standard square TOSLINK connector commonly used in larger consumer audio equipment. The plug is almost the same size and shape as the ubiquitous 3.5 mm stereo minijack. Adapters are available to connect a full-size TOSLINK plug to an Optical out port socket.

What is the main difference between Razer Core X Chroma and the Razer Tomahawk Gaming Desktop?

The Razer Gaming Desktop is a standalone PC that features the Next Unit of Computing (NUC) that includes a 9th Gen Intel Core i9-9980HK, 750W power supply, four USB 3.2 Type-A ports, and Gigabit Ethernet ports while the Razer Core X Chroma requires a laptop to work.

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Troubleshooting

Why am I getting ticking noise from top area of Razer Tomahawk Gaming Desktop after power on?

Ticking noise may come from the fans at the top section when it is obstructed by GPU power cable. Turn off the Tomahawk Gaming Desktop and secure GPU power cable position.

I cannot see my integrated GPU after I connect with my discrete GPU and power up to OS.

Go to BIOS by pressing "F2", advanced > Video and select "IGFX" as a primary display.

My Razer Tomahawk Gaming Desktop Cannot power up, why?

- Ensure that the GPU is supported.
- Ensure that the GPU is inserted securely.
- Check the cable connectors are all securely plugged in for GPU and CPU.
- Check that the power connector is securely plugged in.

Why is there rattling noise from the Razer Tomahawk Gaming Desktop?

Check if the noise is coming from the NUC or Discrete graphic card.

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Software & Downloads

Is the Razer Tomahawk Gaming Desktop supported by Synapse 3.0?

Yes, the Razer Gaming Desktop is supported by Synapse 3.

Can I turn off the THS logo for Razer Tomahawk Gaming Desktop?

Yes, the THS logo can be configured via Razer Synapse 3.

How do I update my BIOS and other Firmware on my Razer Tomahawk Gaming Desktop?

Ensure that Windows 10 OS is up to date. You may also visit **Intel® Driver & Support Assistant** to get the latest BIOS and Firmware updates.

Does the Razer Tomahawk Gaming Desktop come with a pre-installed OS?

Yes, the Razer Tomahawk Gaming Desktop is pre-installed with Windows 10 Home OS.

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Hardware

Can I connect multiple monitors to the Razer Tomahawk Gaming Desktop?

Yes, you can connect up to 3 monitors on the Razer Tomahawk Gaming Desktop, 2 via USBC-C and 1 via HDMI.

Can I use the quick release handle to carry the Razer Tomahawk Gaming Desktop?

The quick-release handle is intended for opening the system only. This should not be used as a carrying handle. Instead, lift the Razer TomahawkGaming Desktop from the bottom of the system when transporting the Gaming Desktop.

What type of GPU can be inserted in the Razer Tomahawk Gaming Desktop and how do I do that?

The Razer Tomahawk Gaming Desktop does not include a graphics card unless purchased with the product. If you own a graphics card, make sure it can fit inside the chassis. The peak height of your graphics card should not exceed 5.51" (approx. 140mm) and should have at least 1" (approx. 25mm) allowance for the power connector/s. A list of compatible sized graphics cards can be found here.

What type of GPU power pin is used in Razer Tomahawk Gaming Desktop?

The Razer Tomahawk Gaming Desktop uses 2x 6+2 power pins.

Can the Razer Tomahawk Gaming Desktop still function when the case is removed?

No, the Razer Tomahawk Gaming Desktop will not work without the case.

What PCIe version does Razer Tomahawk Gaming Desktop use?

The Razer Gaming Desktop uses PCIe 3.0.

Is a discrete GPU needed for Razer Tomahawk Gaming Desktop to work?

No, it has an integrated GPU UHD 630 and it will work.

What kind of SSD is supported by the Razer Tomahawk Gaming Desktop?

Below are the supported SSD per slot:

- Slot 1: M.2 Connector B (key type M) for 2280
- Slot 2: M.2 Connector A (key type M) for 2280/22110

Is the Fan upgradable?

No, the fan in the Razer Tomahawk Gaming Desktop is not upgradable. Please note that modifications done may void the **warranty**.

Downloads

Razer Tomahawk Gaming Desktop Master Guide (German) – **Download**

Razer Tomahawk Gaming Desktop Master Guide (Chinese Traditional) – **Download**

Razer Tomahawk Gaming Desktop Master Guide (Chinese Simplified) – **Download**

Razer Tomahawk Gaming Desktop Master Guide (Korean) – **Download**

Razer Tomahawk Gaming Desktop Master Guide (Japanese) – **Download**

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Razer Tomahawk Gaming Desktop Master Guide (English) – **Download**

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