

Razer Blade 17

Processor

12th Gen Intel Core i7 Processor (14-core) i7-12800H, 1.8 GHz with Turbo Boost up to 4.8 GHz, with 24 MB of Cache

12th Gen Intel Core i9 Processor (14-core) i9-12900H, 1.8 GHz with Turbo Boost up to 5.0 GHz, with 24 MB of Cache

OS

Windows 11 Home

Color

Black

Display

17.3" QHD 240Hz, up to 100% DCI-P3, 6mm bezels, individually factory calibrated

17.3" FHD 360Hz, 100% sRGB, 6mm bezels, individually factory calibrated

17.3" QHD 240Hz, G-Sync, up to 100% DCI-P3, 6mm bezels, individually factory calibrated

17.3" UHD 144Hz, up to 100% DCI-P3, 6mm bezels, individually factory calibrated

Graphics

NVIDIA® GeForce RTX™ 3060 (6GB GDDR6 VRAM)

NVIDIA® GeForce RTX™ 3070 Ti (8GB GDDR6 VRAM)

Graphic Features

NVIDIA® GeForce RTX™ 3060 Laptop GPU

6GB GDDR6 VRAM

NVIDIA CUDA® Cores - 3840

Maximum Graphics Power up to 130W

Boost Clock up to 1680MHz

NVIDIA GPU Boost™ 2.0

NVIDIA Optimus™ Technology

NVIDIA Whisper Mode 2.0

NVIDIAResizable BAR

2nd Gen Ray Tracing Cores

3rd Gen Tensor Cores

VR Ready

NVIDIA® GeForce RTX™ 3070 Ti Laptop GPU

8GB GDDR6 VRAM

NVIDIA CUDA® Cores - 5888

Maximum Graphics Power up to 150W

Boost Clock up to 1485MHz

NVIDIA GPU Boost™ 2.0

NVIDIA Optimus™ Technology

NVIDIA Whisper Mode 2.0

NVIDIAResizable BAR

2nd Gen Ray Tracing Cores

3rd Gen Tensor Cores

VR Ready

Storage

1TB SSD (M.2 NVMe PCIe 4.0 x4) + Open M.2 Slot - Supports PCIe and SATA SSDs, upgradeable to 2TB SSD (Dual M.2 Slot – Supports 2-sided M.2)

1TB PCIe Gen4 NVMe upgradeable to 4TB + Open M.2 Slot (Supports 2-sided NVMe Drive), upgradeable to 4TB SSD

Memory

16 GB DDR5-4800 MHz

16 GB DDR5-4800 MHz dual-channel memory (slotted)

32 GB DDR5-4800 MHz

Keyboard

Per key RGB Powered by Razer Chroma™ N-Key rollover keyboard

Connectivity

Wi-Fi 6E, IEEE 802.11a/b/g/n/ac/ax/az, Bluetooth® 5.2

Killer® Wireless Wi-Fi 6E AX1690 (IEEE 802.11a/b/g/n/ac/ax/az), Bluetooth® 5.2

Touchpad

Precision glass touchpad

Input & Output

3 USB-Anschlüsse (Typ A, 3.2, Gen 2)

2 x Thunderbolt 4™ (USB 3.2 Gen 2) Type-C with Power Delivery and Display Port 1.4 with Nvidia GPU output

Charging supported with 20V USB-C chargers with PD 3.0, up to 100W

RJ45 - 2.5Gb ethernet

HDMI 2.1 output

UHS-II SD Card Reader

Audio

8 speaker array (tweeters x4, sub x4)

3 smart amplifiers

3.5mm headphone / microphone combo port

Built-in array microphone

THX® Spatial Audio

7.1 Codec support (via HDMI)

3.5mm Combo-Jack

Stereo 2.0 | 8 Speakers

THX Spatial Audio

2-Mic Array

Finish

T6 CNC Aluminum, Anodized, Black with illuminated Razer Logo

Dimensions (Approximate)

19.9 mm x 260 mm x 395 mm

0.78" x 10.24" x 15.55"

Approximate Weight

2.50 kg / 5.50 lbs

2.75 kg / 6.06 lbs

Battery And Adaptor

Built-in 82WHr rechargeable lithium-ion polymer battery

Limited 2-Year Warranty

280W GaN Power Adapter

Additional Features

Windows® Hello built-in IR HD webcam (1080P)

Razer™ Synapse 3 enabled with performance, programmable keyboard, backlighting, and fan control

Kensington™ Security Slot

Modern Standby

Intel PTT - (sTPM 2.0)

Windows Hello: Yes - IR Camera

Windows Cortana:Yes

Webcam: 1080p IR Hello

Security: Intel® Platform Trust Technology (Intel® PTT) security embedded, sTPM 2.0

Warranty

1-year limited laptop warranty

2-year limited battery warranty