

| | |
|---------------------------|---|
| Product Title | Razer Blade 16(2024): NVIDIA GeForce RTX 4090 GPU, 14th Gen Intel Core i9 Processor i9-14900HX, 16" QHD+ 240Hz OLED, 4TB SSD, 64GB DDR5 5600MHz, CNC Aluminum, Chroma RGB KB Lighting, THX Spatial Audio, Vapor Chamber Cooling |
| Display Size & Resolution | 16-Inch QHD+ 240Hz OLED, 2560 x 1600 |
| Display Details | 16-Inch QHD+ (2560 x 1600) 16:10 OLED Technology 240Hz Refresh Rate 0.2ms Response Time VESA ClearMR 9000 Certified 1,000,000:1 Contrast Ratio Calman Certified NVIDIA G-Sync™ NVIDIA Dynamic Display Switching Up to 400 nits brightness(Typical) Up to 100% DCI-P3 HDR 500 Individually factory calibrated Bezels: Top 11mm, L/R 4.66mm, Bottom 6.68mm Wide Viewing Angle, 170 Degrees |
| Processor | 14th Gen Intel Core i9 Processor (24-core) i9-14900HX, 2.4GHz with Turbo Boost up to 5.8GHz, with 36MB of Smart Cache 24 cores 32 threads Overclockable |
| Graphics (Discrete) | NVIDIA® GeForce RTX™ 4090 (16GB GDDR6 VRAM) |
| GPU Features | NVIDIA® GeForce RTX™ 4090 Laptop GPU 16GB GDDR6 VRAM NVIDIA CUDA® Cores - 9728 Maximum Graphics Power up to 175W Boost Clock up to 2040MHz NVIDIA GPU Boost™ NVIDIA Advanced Optimus™ Technology NVIDIA Whisper Mode 2.0 NVIDIA Resizable BAR 2nd Gen Ray Tracing Cores 3rd Gen Tensor Cores VR Ready |
| Thermal System | Vapor Chamber Cooling |
| Memory (Included) | 64GB (32GBx2) DDR5-5600MHz |
| Memory (Maximum) | Upgradeable to 96GB DDR5-5200MHz |
| Storage (Installed) | 4TB SSD M.2 NVMe PCIe 4.0 |
| Storage (Maximum) | Open M.2 Slot - Supports PCIe and SATA SSDs, upgradeable to 8TB Total (Supports Single Sided M.2) |
| Operating System | Supports PCIe and SATA SSDs, each slot upgradeable to 4TB SSD (Single Sided M.2) for 8TB max |
| Communication | Windows 11 Home Wi-Fi 7, IEEE 802.11a/b/d/e/g/h/i/k/n/r/u/v/w/ac/ax/be, Intel BE200 Bluetooth® 5.4 |
| Webcam | Windows® Hello built-in IR FHD Webcam, Mechanical Privacy Shutter |
| Input & Output | Precision glass touchpad |
| | Per key RGB Powered by Razer Chroma™ N-Key rollover keyboard |
| | 3 x USB 3.2 Gen 2 Type-A Ports |
| | 1 x Thunderbolt 4™ (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 |
| | 1x USB-C 3.2 Gen 2 Type-C Port(Supports DisplayPort via dGPU) |
| | Charging supported with 20V USB-C chargers with PD 3.0, up to 100W |
| Audio | HDMI 2.1 output |
| | UHS-II SD Card Reader |
| | 4 speaker array (tweeters x2, sub x2) |
| | 2 smart amplifiers |
| | 3.5mm headphone/microphone combo port |
| | Built-in array microphone (x2) |
| Additional Features | THX® Spatial Audio |
| | 7.1 Codec support (via HDMI) |
| | Razer™ Synapse 3 enabled with performance, programmable keyboard, backlighting, and fan control |
| | Kensington™ Security Slot |
| | Modern Standby |
| Chassis | Intel PTT - (sTPM 2.0) |
| Battery | CNC Aluminum, Anodized Black, backlit green Razer logo |
| Power Adapter | Built-in 95.2WHr rechargeable lithium-ion polymer battery |
| Approx. Size | Limited 2-Year Warranty |
| Approx. Weight | 330W GaN Power Adapter |
| In The Box | 0.86" x 13.98" x 9.61" (21.99mm x 355mm x 244mm) |
| Keyboard | 5.4 lbs(2.45kgs) |
| Ambient Noise | Razer Blade 16, power adapter & regional power cord, micro-fiber cleaning cloth, Important Product Information Guide |
| | 1.0 mm membrane, 63G actuation, per-key RGB |
| | 53db |