Product Title	Razer Blade 16(2024): NVIDIA GeForce RTX 4080 GPU, 14th Gen Intel Core i9 Processor i9-14900HX, 16" QHD+ 240Hz OLED, 1TB SSD, 32GB 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	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™ 4080 (12GB GDDR6 VRAM)
GPU Features	NVIDIA® GeForce RTX™ 4080 Laptop GPU / 12GB GDDR6 VRAM NVIDIA CUDA® Cores - 7424 / Maximum Graphics Power up to 175W Boost Clock up to 2280MHz / 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)	32GB DDR5-5600MHz
Memory (Maximum)	Upgradeable to 96GB DDR5-5200MHz
Storage (Installed)	1TB SSD M.2 NVMe PCIe 4.0 Open M.2 Slot - Supports PCIe and SATA SSDs, upgradeable to 8TB Total(Supports Single Sided M.2)
Storage (Maximum)	Supports PCIe and SATA SSDs, each slot upgradeable to 4TB SSD (Single Sided M.2) for 8TB max
Operating System	Windows 11 Home
Communication	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 RJ45 - 2.5Gb ethernet HDMI 2.1 output UHS-II SD Card Reader
Audio	4 speaker array (tweeters x2, sub x2) 2 smart amplifers 3.5mm headphone/microphone combo port Built-in array microphone (x2) THX® Spatial Audio 7.1 Codec support (via HDMI)
Additional Features	Razer™ Synapse 3 enabled with performance, programmable keyboard, backlighting, and fan control Kensington™ Security Slot Modern Standby Intel PTT - (sTPM 2.0)
Chassis	CNC Aluminum, Anodized Black, backlit green Razer logo
Battery	Built-in 95.2WHr rechargeable lithium-ion polymer battery Limited 2-Year Warranty
Power Adapter	330W GaN Power Adapter
Approx. Size	0.86" x 13.98" x 9.61" (21.99mm x 355mm x 244mm)
Approx. Weight	5.4 lbs(2.45kgs)
In The Box	Razer Blade 16, power adapter & regional power cord, micro-fiber cleaning cloth, Important Product Information Guide
Keyboard	1.0 mm membrane, 63G actuation, per-key RGB
Ambient Noise	53db