CORSAIR VOYAGER
a1600 Gaming Laptop AMD Advantage™ Exclusive Edition

Technical Specifications

	Ryzen 7	Ryzen 9
CPU	AMD Ryzen 7 6800HS 8-Core / 16-Thread Up to 4.7GHz	AMD Ryzen 9 6900HS 8-Core / 16-Thread Up to 4.9GHz
Platform	Rembrandt	
Memory	16GB (2x8GB) CORSAIR DDR5-4800 SO-DIMMs	32GB (2x16GB) CORSAIR DDR5-4800 SO-DIMMs
Graphics	AMD Radeon™ RX 6800M Graphics 12GB GDDR6	
Display	16.0", 2560x1600, 240Hz, IPS, Anti-Glare 3H, sRGB 100%, FreeSync Premium, Factory Calibrated, 3ms Response Time, 16.7M colors 8-bit	
Keyboard	CHERRY MX Ultra-Low Profile mechanical key switches, membrane keys for half-height and arrow keys, and per-key CAPELLIX LED RGB backlighting. Regional Keyboards available: North America, French, German, Nordic, UK	
Audio	Dolby Atmos custom tuned internal speakers	
NVMe SSD	1TB PCIe 4.0 M.2 NVMe SSD	2TB M.2 NVMe PCIe 4.0
Power	230W AC Adapter / 6410mAh, 99Wh Battery	
Networking	802.11ax (WiFi 6E) 2x2, 2.4GHz/5GHz/6GHz bands with Qualcomm Dual Band Simultaneous, Bluetooth 5.2	
Connectivity	Integrated CORSAIR SLIPSTREAM WIRELESS 3-in-1	
Left I/O	2 x USB4 Type-C, Mic/Headphone Combo Jack, AC-in, Kensington Lock	
Right I/O	USB Type-A, USB Type-C port, HD Audio, Full size SD card reader	
Software	Windows 11 Home or Pro 64-bit, CORSAIR iCUE, Elgato Stream Deck, Camera Hub, Dolby Access, VOYAGER Hub, CORSAIR Diagnostics	
Power Button	Integrated Fingerprint reader for Windows Hello functionality	
Security	TPM 2.0	
Size	(356mm x 286.7mm x 19.9mm) / (14.01" x 11.28" x 0.78")	
Weight	2.4kg / 5.29lbs	
Warranty	One Year	

Key Features

- **Portable Powerhouse:** Whether you're an aspiring content creator, avid gamer, or a full-time streamer, the CORSAIR VOYAGER a1600 harnesses the power of AMD along with CORSAIR's vast ecosystem of software and technology to empower your creativity and performance to the fullest.

- **AMD Advantage:** Combines the latest 8-core/16-thread AMD Ryzen™ 6000-Series processor, AMD Radeon™ RX 6800M graphics (with Integrated MUX switch), and exclusive AMD Smart Technologies for an impressively powerful laptop that leverages the best of what AMD has to offer.

- **Premium 16-inch IPS QHD+ Screen:** Boasts an ultra-high refresh rate of 240Hz, a 2560x1600 QHD+ IPS display with superb color accuracy, and AMD FreeSync compatibility for stunning, silky-smooth images.

- **CORSAIR VENGEANCE DDR5 SO-DIMM Memory:** The latest high-performance memory and storage platforms enable lightning-fast processing, save, and load times, no matter the task.

- **Customizable Stream Deck Software:** Map streaming commands and keyboard shortcuts to ten easy-access customizable shortcut buttons using industry-leading Elgato Stream Deck software with simple drag-and-drop customization.

- **State-of-the-Art Streaming:** Show your best self with a 1080p FHD webcam powered by Elgato Camera Hub software, while capturing your voice with a directional microphone array with ambient noise cancellation.

- **CHERRY MX Mechanical Keyswitches with CAPELLIX RGB LEDs:** CHERRY MX Ultra-Low Profile keyswitches deliver mechanical precision in a tremendously compact form-factor, illuminated by per-key RGB backlighting from ultra-bright, power-efficient CAPELLIX LEDs.

- **Vapor Chamber Cooling:** Advanced compact cooling system uses a vapor chamber to evenly spread heat, achieving lower temperatures with a thinner profile than traditional cooling methods.

- **SLIPSTREAM WIRELESS Integration:** Keep your USB ports free with a built-in receiver for CORSAIR 3-in-1 SLIPSTREAM WIRELESS-compatible peripherals, ensuring a hyper-fast, stable connection.

- **Unite Your Setup:** With integrated CORSAIR iCUE software, you can control ambient lighting for all compatible devices, customize CORSAIR gaming peripherals, create different performance profiles for work, gaming, streaming, and much more.

- **Latest High-Speed Wi-Fi:** Connect on the 6GHz band with Wi-Fi 6E for the fastest possible speeds, while pairing your compatible wireless devices using Bluetooth® 5.2.

- **Windows 11:** With a fresh new feel and tools that make it easier to be efficient, Windows 11 has what's needed for whatever's next.

- **Lithium Ion Battery:** A 99Wh battery keeps the VOYAGER a1600 sailing through your travels, with optional USB Type-C charging via any 100W travel adapter (sold separately).

- **Thin and Portable:** Surprisingly thin at 19.8mm and weighing just 2.4kg (5.3lbs), your games, streams, and creativity can go mobile.

- **One-Year Warranty:** Backed by a comprehensive one-year warranty and lifetime 24/7 tech support service from the world-class CORSAIR customer support team.

AMD Advantage™

The AMD Advantage™[1] Design Framework is the result of a multi-year collaboration between AMD and our global partners to deliver the next generation of premium, high-performance gaming laptops. Combining the latest AMD Radeon™ RX graphics and AMD Ryzen™ processors with exclusive AMD smart technologies and other advanced features, AMD Advantage™ systems are designed to deliver ultimate gaming experience.

AMD Advantage™ systems are engineered for high-performance gaming and are paired with high refresh, low-latency premium displays and proprietary AMD smart technologies that unlock unmatched gaming experience.

Amplified Performance

AMD Advantage™ systems offer new level of speed and responsiveness with award-winning AMD Ryzen™ processors and AMD Radeon™ graphics – powering an average of 100FPS gameplay while keeping you mobile with power-balancing and performance boosting smart technologies exclusive to AMD configured systems

Premium Displays

AMD Advantage™ laptops come equipped with the state-of the-art, gaming-grade, premium quality high-resolution displays. With features like AMD FreeSync™[2] technology, Premium displays provide tear-free & stutter-free gaming with 144Hz+ refresh rates and 300+ nits brightness.

Built to Game

AMD Advantage™ systems are engineered to deliver high-performance gaming, in an attractive form factor. Precisely designed to deliver ample power and optimized thermals to stay cool and quiet no matter how long the game is. AMD Advantage™ systems come standard with fast SSDs for the ultimate responsiveness in load and start-up times.

Learn more:
AMD Ryzen™ Mobile Processors
AMD Radeon™ Mobile Graphics
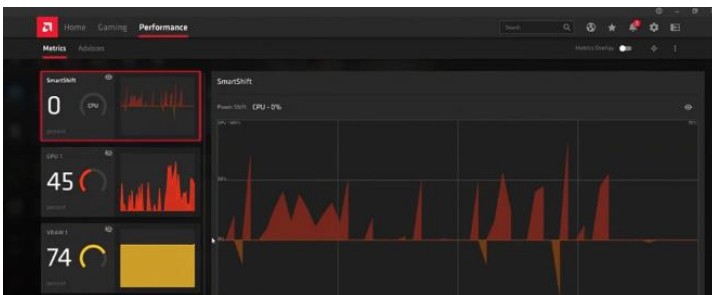*AMD Advantage link*
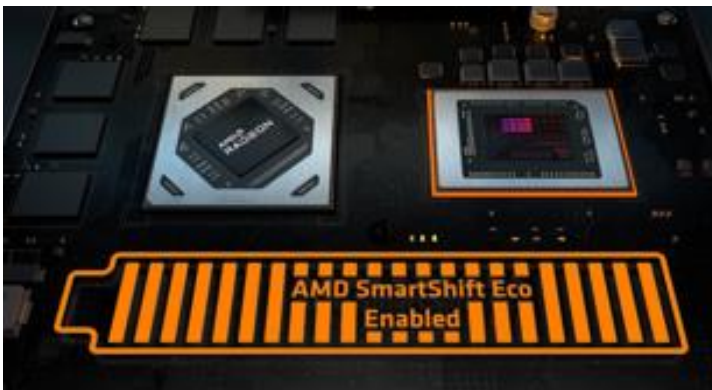*AMD Advantage link*

AMD Smart Technologies

AMD☑
SmartShift
Max

AMD SmartShift Max dynamically shifts power between AMD Ryzen™ processors and AMD Radeon™ graphics in your laptop to help boost performance for gaming, video editing, 3D rendering, content creation and productivity. Gamers get a graphics performance boost when gaming, while Content Creators can get extra horsepower needed to finish their tasks quickly.
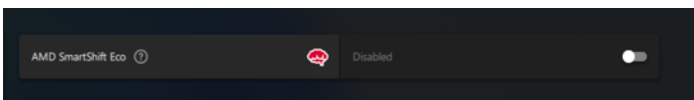

How to test: Add a SmartShift Max Overlay via Radeon Software-> Performance/Metrics/Overlay

AMD☑
SmartShift
Eco

With AMD SmartShift Eco5, play for longer even when unplugged. When enabled on-the-go the laptop detects when it is unplugged and will steer games to launch through the integrated graphics on AMD Ryzen™ processors. When plugged back into power, the laptop can automatically detect and switch back to AMD Radeon™ graphics for full performance gaming.
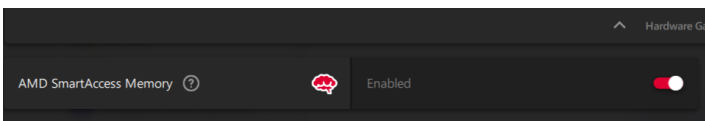

How to test: Enable/Disable SmartShift Eco under the Performance/Tuning section in Radeon Software

AMD Smart Access Memory

AMD Smart Access Memory™[3] unlocks higher performance across select titles by providing AMD Ryzen™ processors with full access to AMD Radeon ™ graphics memory at once, allowing for faster data transfers between the two.
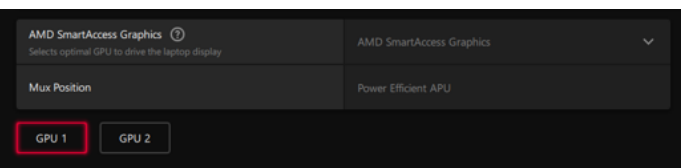

How to test: Enable/Disable SmartAccess Memory under the Performance/Tuning section in Radeon Software

AMD SmartAccess Graphics

AMD SmartAccess Graphics[4] automatically determines if the processor or the graphics should be driving the display based on the workload, to balance battery life and performance. When doing productivity tasks, the integrated graphics of the AMD Ryzen™ processor will drive the display. Graphically demanding workloads like gaming, the display is switched to the AMD Radeon ™ graphics for the most performance and power.

How to test: Enable/**Disable** SmartAccess Graphics under the Graphics section in Radeon Software

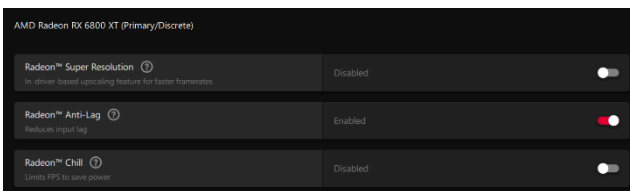# AMD Software: Adrenalin Edition™ Features

For more information on testing AMD Software features, please refer to the AMD Software Reviewers Guide.

AMD Software: Adrenalin Edition™
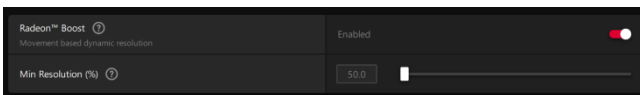
Change the Way You Game

AMD Software is designed to deliver fast and responsive gaming, incredible visuals, and an immersive experience like no other. When combined with an AMD Advantage™ platform, users can take their gameplay to new levels of performance and fidelity.

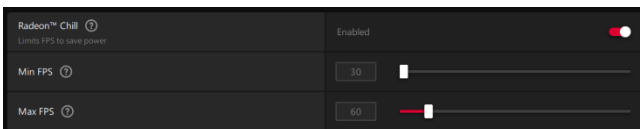**AMD Radeon™ Anti-Lag[11]**

Game Like a Champion

Designed to help reduce input lag in GPU-limited cases by controlling the pace of CPU work and reducing the amount of CPU work queued up, resulting in more responsive gaming for users.

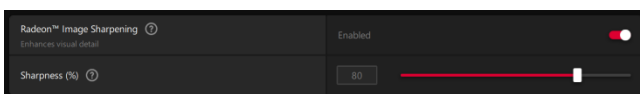**AMD Radeon™ Boost[12]**

Turbocharge Your Game

Dynamically lowers resolution or shading rate in areas of the frame when mouse input is detected, delivering extra performance and responsiveness in select games.

AMD Radeon™ Chill

Save Power While You Game

Regulates and caps framerates based on in-game movements to deliver cool and quiet gaming

AMD Radeon™ Image Sharpening[13]

Crisp Details Where It Matters

Enhance object details with one-click global or per-app enablement for games, office, web and playback applications

Discover more about [AMD Software: Adrenalin Edition™](#)