

MSI ALPHA 17

POWERED BY AMD RYZEN™ 7000 SERIES PROCESSORS



2023

Conquer gaming worlds with incredible performance and feel the speed of next-gen wireless with Wi-Fi 7.

HIGHLIGHTS

ULTIMATE PROCESSING PERFORMANCE IN THE WORLD'S FIRST WI-FI 7 EQUIPPED GAMING LAPTOP

- Equipped with the flagship AMD Ryzen™ 7945HX processor with 16 cores, 32 threads and 80MB cache for massive performance, delivering soaring frame rates and lightning fast speed for demanding workloads
- The world's first gaming platform to combine both AMD Ryzen™ 7000 Series processors with Qualcomm® FastConnect™ 7800 Wi-Fi 7, for the ultimate compute and connectivity experiences available

IMMERSIVE VISUALS

- With high resolution and fast 240Hz refresh rate, experience lifelike gaming and buttery smooth gameplay on the expansive 17.3" display
- Expand your vision across multiple displays with HDMI™, mini DisplayPort™ and USB Type-C®

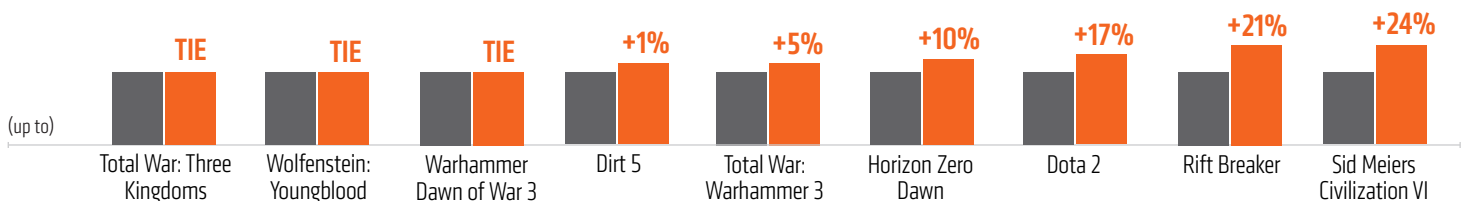
DESIGNED FOR GAMERS

- Exclusive Cooler Boost 5 Technology with 2 fans and 6 heat pipes keeps thermals in control
- With Per-key RGB Gaming Keyboard by SteelSeries, customize each key and receive real-time in-game status through keyboard lighting

EXTREME SPEED FOR ULTIMATE GAMING PERFORMANCE¹

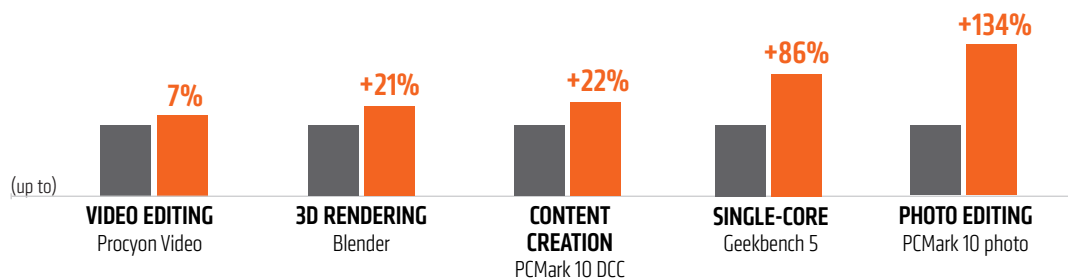
■ Ryzen™ 9 7945HX + GeForce 4070
 ■ Core i9-13980HX + GeForce 4070

(FPS tested at 1080P high settings)



POWER THROUGH APPLICATIONS WITH EASE²

■ Ryzen™ 9 7945HX + GeForce 4070
 ■ Core i9-13980HX + GeForce 4070



WI-FI 7 READY FOR NEXT-GEN WIRELESS

FASTEST GLOBAL WI-FI SPEEDS

Qualcomm® FastConnect™ 7800 Wi-Fi 7 delivers the fastest global Wi-Fi speeds available for PCs with up to 5.8 GHz peak throughput

ULTIMATE RESPONSIVENESS

High Band Simultaneous (HBS) allows for multiple and simultaneous 5GHz and/or 6GHz connections, opening two superhighways of simultaneous traffic That make sustained ultra-low latency and wide channel bandwidth speeds more achievable

DUAL BLUETOOTH

Dual Bluetooth intelligently switches between three modes of operation designed to deliver the best connection, increased range, and rapid device discovery to Bluetooth headsets, keyboards, and accessories

SPECIFICATIONS

Processor

- AMD Ryzen™ 9 7945HX (16-core/32-thread, 80MB total cache, up to 5.4 GHz boost³)

Graphics

- up to Nvidia GeForce RTX 4070 (8GB GDDR6 VRAM)

Storage and Memory

- up to 2TB NVMe SSD
- up to 32 GB DDR5-5200MHz memory

Connectivity

- Wi-Fi 7⁴ and Bluetooth 5.3

Design

- Per-Key RGB gaming keyboard by SteelSeries
- Exclusive Cooler Boost 5 Technology

Display

- 17.3" QHD Anti-Glare Wide View Angle
- 240Hz refresh rate, 3ms
- 100% DCI-P3

I/O ports

- 3x Type-A USB 3.2 Gen 1
- 1x Type-C USB 3.2 Gen 2
- Mini DisplayPort
- 1 Audio Combo
- HDMI 2.1

FOOTNOTES:

1. Testing as of June 2023 by AMD Performance Labs with the following configurations: MSI Alpha 17; AMD Ryzen 9 7945HX processor (55W), Nvidia RTX 4070 GPU, 32GB RAM, 1TB SSD, VBS ON, SAM ON, and ASUS ROG Strix 16; Intel Core i9-13980HX (55W), Nvidia RTX 4070 GPU, 16GB RAM, 1TB SSD, VBS ON, SAM ON. Game titles tested at 1080p high settings: Ashes of the Singularity Escalation, Grand Theft Auto, Metro Exodus, Final Fantasy 14, Middle Earth Shadow of War, Total War Three Kingdoms, Total War Warhammer 3, Wolfenstein Youngblood, Warhammer Dawn of War 3, Dirt 5, Horizon Zero Dawn, DOTA 2, Rift Breaker, Sid Meiers Civilization 6. System manufacturers may vary configurations yielding different results. Performance may vary. DRG-17
2. Testing as of June 2023 by AMD Performance Labs with the following configurations: MSI Alpha 17; AMD Ryzen 9 7945HX processor (55W), Nvidia RTX 4070 GPU, 32GB RAM, 1TB SSD, VBS ON, SAM ON, and ASUS ROG Strix 16; Intel Core i9-13980HX (55W), Nvidia RTX 4070 GPU, 16GB RAM, 1TB SSD, VBS ON, SAM ON. Benchmarks tested: Cinebench R23, Geekbench, PCMark 10, Procyon, Passmark 10. System manufacturers may vary configurations yielding different results. Performance may vary. DRG-18
3. GD-150 Max boost for AMD Ryzen processors is the maximum frequency achievable by a single core on the processor running a bursty single-threaded workload. Max boost will vary based on several factors, including, but not limited to: thermal paste; system cooling; motherboard design and BIOS; the latest AMD chipset driver; and the latest OS updates.
4. Wi-Fi 6E, Wi-Fi 7 and Bluetooth 5.0 availability varies by laptop manufacturer and are system configuration dependent. Check with your laptop manufacturer for compatibility information. GD-149a

©2023 Advanced Micro Devices, Inc. All rights reserved. AMD, the AMD Arrow logo, Radeon, Ryzen and combinations thereof are trademarks of Advanced Micro Devices, Inc. Microsoft and Windows are registered trademarks of Microsoft Corporation in the U.S. and/or other jurisdictions. Oct 2023 PID #232337485

