Dirt Rally 2.0 - v1.7.0
Workload: Integrated Benchmark
- 1920x1080 – Fullscreen
- V-Sync: Off
- Multisampling: off
- Anisotropic Filtering: 4X
- TAA: On
- Preset: Low
- “-benchmark” launch option added
- Measured with: PresentMon, 180 seconds

World of Tanks enCore v0.1
- 1920x1080 – Fullscreen
- Anti-aliasing: none
- “Medium” quality preset

Rainbow Six: Siege – Y4S1
Workload: 5 minutes of gameplay in “Suburban Extraction” Situation
- 1920x1080 – Fullscreen
- V-sync: Off
- Medium Quality Preset
- Measured with: PresentMon, 300 seconds

Total War: Three Kingdoms – 1.2.0
Workload: “Battle” benchmark scenario
- 1920x1080 – Fullscreen
- V-Sync: off
- Low Quality Preset
- Resolution scaling: 100%

Counter-Strike: Global Offensive - 1.37.1.1
Workload: 5 minutes of gameplay replay
- 1920x1080 – Fullscreen
- Medium Quality Presets
- Multicore Rendering: Enabled
- FXAA: Disabled
- Texture Filtering Mode: Anisotropic 4X
- V-sync: Off

Halo: The Master Chief Collection: Halo Reach – prerelease build
Workload: 5 minutes of gameplay from “winter contingency” mission
- 1920x1080 – Fullscreen
- “Performance” preset

Rocket League – v1.62
Workload: 5 minutes of gameplay against Bots on Mannfield Map
- 1920x1080 – Fullscreen
- Medium Quality Presets
- Vsync: Off
- Anti-aliasing: Off
- Render Quality: Quality
- Render Detail: Quality
- Texture Detail: Quality
- World Detail: Quality
- Particle Detail: High Quality
- High Quality Shaders: Enabled
- Dynamic Shadows: Enabled
- Weather Effects: Enabled
- Transparent Goalposts: Enabled

DOTA 2 – Client version 3.749
Workload: 5 minutes of gameplay replay
- 1920x1080 – Exclusive Fullscreen
- DX9 renderer
- “Fastest” quality setting
CONFIGURATION DISCLOSURE

OEM Optimization Performance: 3DMark Cloud Gate 1.16x, 3DMark Sky Diver 1.16x, 3DMark Night Raid 1.03x, 3DMark Fire Strike 1.13x, 3DMark Time Spy 1.03x, 3DMark 11 1.14x, PCMark 10 Overall 1.05x, PCMark 10 Essentials 1.05x, PCMark 10 Productivity 1.04x, PCMark 10 DCC 1.06x, Photoshop RUG 1025 v1.0.0 1.15x, Adobe Lightroom RUG 1010 v2.0.4 1.18x, Adobe Lightroom RUG 1087 v1.0.1 1.04x, Microsoft Powerpoint RUG 1165 v1.1.0 1.47x based on performance comparing Intel® Preproduction 10th Gen Core™ i7 15W. Configuration: Processor: 10th Gen Intel® Core™ i7 (ICL-U 4+2) PL1=15W TDP, 4C/8T, Intel Gen 11 Graphics, Preproduction driver, Memory: 8GB LPDDR4X-3733, Storage: Intel® SSD Pro 7600P 256GB, OS: Microsoft Windows* 10 RS6 Build Version 295 vs. Lenovo Yoga C940 Preproduction system: Processor: 10th Gen Intel® Core™ i7-1065G7, 4C/8T, Intel Gen 11 Graphics, 25:19:100.7011 driver, Memory: 8GB LPDDR4X-3733, Storage: 5K Hynix PC401 512 GB, OS: Microsoft Windows* 10 RS6 Build Version 295. Measured by Intel as of August 2020

10th Gen "Ice Lake" gaming performance data: Dirt Rally 2.0 1.37x, Rainbow Six Siege 1.42x, Total War: Three Kingdoms 1.40x, DOTA 2 1.34x, CS:Go 1.31x, World of Tanks encore 1.35x, Halo Reach 1.33x, 3DMark Night Raid 1.32x, 3DMark Fire Strike 1.28x, 3DMark Time Spy 1.26x Based on gaming performance on those titles (settings on the next foil) comparing Razer Blade Stealth 13 at 15W and 25W. Configuration: Processor: Intel® Core™ i7 (ICL-U 4+2) PL1=25W TDP, 4C/8T, Intel Gen 11 Graphics, 25:19:100.7011 driver, Memory: 16GB LPDDR4X-3733, Storage: LiteOn CA3 256GB, OS: Microsoft Windows* 10 RS6 Build Version 295. Measured by Intel as of August 2019

10th Gen "Ice Lake" gaming performance competitive data: Dirt Rally 2.0 1.00x, Rainbow Six Siege 1.03x, Total War: Three Kingdoms 1.43x, DOTA 2 1.84x, CS:Go 1.19x, World of Tanks encore 1.00x, Halo Reach 1.20x, 3DMark Night Raid 1.22x, 3DMark Fire Strike 1.17x, 3DMark Time Spy 1.20x Based on gaming performance on those titles (settings on the next foil) comparing Razer Blade Stealth 13 at 25W. Configuration: Processor: Intel® Core™ i7 (ICL-U 4+2) PL1=25W TDP, 4C/8T, Intel Gen 11 Graphics, 25:19:100.7011 driver, Memory: 16GB LPDDR4X-3733, Storage: LiteOn CA3 256GB, OS: Microsoft Windows* 10 RS6 Build Version 295 VS. Commercially available OEM system with AMD* Ryzen 7 3700U 2.3GHz Turbo up to 4GHz 4C/8T, 25W, AMD* Radeon* Vega 10 graphics, Gfx driver Adrenalin 2019 19.8.1, Memory 8GB DDR4-2400, Storage 5K Hynix BC501 256GB, OS – Microsoft Windows* 10 RS6 Build Version 295 Bios F0.7. Measured by Intel as of August 2019


Windows without compromise data: PCMark 10 Applications 1.70x, Geekbench Single 2.13x, Geekbench Multi 1.11x, 3DMark Night Raid 1.13x Graphics 1.26x CPU 0.81x, AppMark 2018 2.15x, WebXPRT 3 Edge 1.89x, WebXPRT 3 Chrome 3.56x, Speedometer 2.0 Edge 1.46x, Speedometer 2.0 Chrome 4.17x, GF Bench 3.0 Manhattan Off Screen 2.34x, 7zip 1T 2.24x, 7zip MT 1.26x, DOTA 2 1.60x, World of Tanks enCore 1.71x, Rocket League 1.13x, PCMark 10 Applications Battery 0.90x. Based on performance comparing HP Folio 2-in-1 Configuration: Processor: Intel® Core™ i7-8500Y, 2C/4T, 25:20:100.6617 driver, Memory: 8GB LPDDR3-1866, Storage: 256 GB Samsung PM981, OS: Microsoft Windows* 10 RS6 Build Version 295 VS. Commercially available OEM system with Qualcomm Snapdragon 850 8C/8T, Qualcomm Adreno 630, Gfx driver 28.18.10440.0, Memory 8GB LPDDR4X-3733, Storage 128 GB Samsung KUDBG4U1EA-B0C1 UFS 2.1, OS – Microsoft Windows* 10 RS6 Build Version 295 Bios 9unc22ww. Measured by Intel as of August 2019

Windows without compromise data part 2: PCMark 10 Applications 2.06x, Geekbench Single 2.06x, Geekbench Multi 1.76x, 3DMark Night Raid 1.31x Graphics 1.33x CPU 1.22x, AppMark 2018 2.45x, WebXPRT 3 Edge 2.32x, WebXPRT 3 Chrome 3.50x, Speedometer 2.0 Edge 1.57x, Speedometer 2.0 Chrome 4.32x, GF Bench 3.0 Manhattan Off Screen 2.60x. Based on performance comparing Preproduction Intel system: Processor: Intel® Core™ i7-10510Y, 4C/8T, XXXx driver, Memory: XXXX, Storage: XXXX, OS: Microsoft Windows* 10 RS6 Build Version 295 VS. Commercially available OEM system with Qualcomm Snapdragon 850 8C/8T, Qualcomm Adreno 630, Gfx driver 28.18.10440.0, Memory 8GB LPDDR4X-3733, Storage 128 GB Samsung KUDBG4U1EA-B0C1 UFS 2.1, OS – Microsoft Windows* 10 RS6 Build Version 295 Bios 9unc22ww. Measured by Intel as of August 2019
DEMO CONFIGURATION DISCLOSURE

**Demo Productivity:**
Microsoft Office 365 saving PowerPoint file to PDF. Based on performance comparing Dell XPS 13 Configuration: Processor Intel® Core™ i3-1005G1, 2C/4T, 25.20.100.7102 driver, Memory 8GB 3733MHz, brand N/A, Storage 256GB NVME Toshiba, OS: Microsoft Windows® 10 Build Version 18362.239 vs ASUS ROG Zephyrus Configuration: AMD Ryzen 7 3750H, 4C/8T, Memory 8GB DDR4 2400MHz, Storage 500GB Intel SSDPEKNW, OS Windows® 10 Home Build Version 18362.295

**Adobe 4K playback:** Adobe Premiere Pro, v13.1, Video 4K HDR 10-bit playback. Based on performance comparing Dell XPS 13 2-in-1 Configuration: Processor: Intel® Core™ i7-1065G7, 4C/8T, 25.20.100.7007 Intel Iris Plus Graphics driver, Memory: 16GB LPDDR4-3733, Storage: Toshiba NVMe 512G, OS: Microsoft Windows* 10 Build Version 18362 Biol 1.0.9 VS. Commercially available OEM system with AMD Ryzen 7 3700U 4C/8T, 26.20.13001.40003 Radeon Vega 10 Mobile GFX, Memory 16GB LPDDR4-2400, Storage Lite on CA3-BD256 HP 237 GB Drive, OS – Microsoft Windows* 10 Build Version 18362.295, Bios AMI F.12


**Halo The Master Chief Collection-beta:** Halo The Master Chief Collection -beta, "Reach" gameplay. Based on performance comparing Razer Blade Stealth 13 Configuration: Processor: Intel® Core™ i7-1065G7, 4C/8T, 25.20.100.6665 Intel Iris Plus Graphics driver; Memory: 16GB LPDDR4-2400MHz, Storage: Samsung MZVLB256HAGQ-00000 256GB, OS: Microsoft Windows* 10 Build Version 1903 18362.295, BIOS: Razer E1.00 VS. Commercially available OEM system with AMD Ryzen 7 3700U 4C/8T, 25.20.14120.2001 Radeon Vega 10 Mobile GFX, Memory 16GB LPDDR4-2400, Storage Lite on CA3-BD256 HP 237 GB Drive, OS – Microsoft Windows* 10 Build Version 18362.295 Bios AMI F.12

**Topaz Labs Gigapixel AI:** Gigapixel AI v4.4.0; Image upscaling app using AI software; Lenovo Yoga S940, Processor: Intel® Core™ i7-1065G7, 4C/8T, 25.20.100.7102 Intel Iris Plus Graphics driver; Memory: 16GB LPDDR4-3733MHz; Storage: SAMSUNG MZVLB1T0HBLR-000L2; OS: Microsoft Windows 10 RS6 Build Version 18362.329; Bios: LENOVO AHC999WV VS. Commercially available OEM system with AMD Ryzen 7 3700U 4C/8T, 25.20.14120.2001 Radeon Vega 10 Mobile GFX, Memory 16GB LPDDR4-2400, Storage Lite on CA3-BD256 HP 237 GB Drive, OS – Microsoft Windows* 10 Build Version 18362.295 Bios AMI F.12
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