BenchSmart

Detailed insights for smarter AI device choices

AI workflows are essential for workplace productivity, which is why we've developed BenchSmart: Our new proprietary tool that evaluates the performance of AI PCs and edge devices so you can see exactly how they'll handle your new requirements.

Whether testing chat responses, voice transcriptions, or image generation, BenchSmart provides deep insights into system behavior across AI workloads as well as different silicon platforms and OEM architectures.

With BenchSmart, you can evaluate objective performance, ensuring informed decisions by measuring both individual and combined workloads. Gain a clear and detailed picture of system efficiency and meticulously track multiple performance factors, including CPU, GPU and NPU utilization. BenchSmart results ensure every processing unit's contribution is accounted for and drives data-driven decisions.

BenchSmart helps you with:

- Real-world evaluation for AI-driven performance
- Comprehensive testing metrics across CPUs, GPUs, and NPUs.
- Accurate comparisons across different silicon platforms.
- Reliable data to validate OEM claims and make informed decisions.
- Impact of AI workloads on user experience.
- Consistent testing environments for fair results

Make data-driven decisions with BenchSmart

Optimized process

BenchSmart runs tests locally on the device and offloads results to a centralized database, ensuring consistency and preventing skewed results from other processes.

Detailed performance analytics

Our tool measures AI workloads, offering insights into system efficiency by tracking metrics like tokens processed per second, power consumption, workload distribution, and battery life impact.

Comprehensive reports

SHI generates detailed reports comparing multiple devices and their AI capabilities. These reports include historical trends, allowing for performance tracking over time as new models emerge.

Objective evaluations

BenchSmart's objective approach highlights real differences in platform and OEM performance, helping you make data-driven decisions.

User experience inference

While not a direct simulation, BenchSmart stress tests systems to understand their performance capabilities under typical enterprise workloads, inferring the impact on user experience.

Contact your SHI Account Executive to schedule a personalized consultation and discover how BenchSmart can de-risk your AI PC and edge device evaluations.

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