

Using local AI-enhanced workflows on AMD Ryzen AI PCs can dramatically reduce task completion time for professionals

In our tests of developer and project-management scenarios, AI on new PCs saved 2 or more workdays per week vs. traditional approaches on older PCs

SANTA CLARA, CA, UNITED STATES, April 14, 2026 /EINPresswire.com/ -- Principled Technologies (PT) has released two new reports demonstrating that using AI tools on a modern PC powered by AMD Ryzen AI processors can significantly accelerate routine project-management and development tasks compared to using traditional workflows on a 4-year-old PC. When professionals can leverage AI to complete certain tasks more quickly, they can redirect the time they save to higher-value work and innovation. Because the AI tools that PT tested primarily ran locally instead of in the cloud, professionals could save time while also better protecting sensitive data, enjoying quicker response times, and being able to work without an internet connection.

The report focusing on activities performed by developers stated: "In our testing, using local AI tools on a new HP EliteBook X G2a AI PC powered by an AMD Ryzen AI processor reduced task completion times by as much as 97.5 percent compared to completing the same tasks manually on a 4-year-old HP EliteBook 865 16 inch G9



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A Principled Technologies report: Hands-on testing. Real-world results.

Complete complex tasks in much less time by using AI technologies on new PCs featuring AMD Ryzen processors

Using AI features on an AMD Ryzen processor-powered PC let us execute project management tasks much faster than using manual methods on a 3-year-old system

Power user
Juggles tasks using multiple applications

Reclaim nearly 2 workdays per week for high-value work
by employing primarily local AI features to help streamline activities

Cut the time to complete tasks by up to 96.0% by using AI-enhanced workflows

Project managers and other information-focused professionals spend their days dealing with communication, documentation, planning, and coordination within teams and across projects. The tasks necessary to keep information flowing and keep projects on track can be time consuming. Using AI to accelerate these activities is a great way to free time and mental energy for activities that move business forward. Choosing local AI technologies rather than cloud-based enables enhanced protection of sensitive data, immediate response times with the ability to operate without an internet connection, and potential cost savings.

To build on our findings in a [previous study](#) exploring how information-focused professionals can leverage AI, we conducted tests to quantify the benefits of upgrading to new AI PCs featuring AMD Ryzen™ processors. We ran a set of defined scenarios three ways:

- **Using AI technologies** on a current AI-capable PC powered by an AMD Ryzen processor
- **Using a manual approach** on a current AI-capable PC powered by an AMD Ryzen processor
- **Using a manual approach** on a 3-year-old PC

Across the tasks we tested, AI features reduced task completion time by as much as 96.0 percent compared with traditional, non-AI approaches. Our results indicate AI-capable PCs powered by AMD Ryzen processors are a strong option for professionals ready to take advantage of AI in their daily workflows.

Complete complex tasks in much less time by using AI technologies on new PCs featuring AMD Ryzen processors April 2026

Complete complex tasks in less time with AI technologies on new PCs featuring AMD Ryzen processors

Notebook PC. Based on our estimates of how frequently these tasks typically occur, we found that using AI tools on the newer system could lower weekly development-related work time from an average of 24 hours and 6 minutes to approximately 6 hours and 13 minutes. This represents a reduction of almost 18 hours of work per week—equivalent to over two standard workdays.”

The report focusing on project-management activities stated: “In testing with two HP systems, using primarily local AI tools reduced task completion times by as much as 95.6 percent. Based on estimates of how frequently the evaluated tasks occur, we found that using AI technologies on the new PC could reduce the weekly time spent on a set of common tasks from an average of 24 hours and 40 minutes to 4 hours and 45 minutes—a savings of almost 20 hours, half of a typical workweek.”

Read [the project-management report](#) and [the developer report](#).

About Principled Technologies, Inc.

Principled Technologies, Inc. is the leading provider of technology marketing and learning & development services.

Principled Technologies, Inc. is located in Durham, North Carolina, USA. For more information, please visit www.principledtechnologies.com.

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A Principled Technologies report: Hands-on testing. Real-world results.

Greatly accelerate complex tasks by upgrading to AI PCs featuring AMD Ryzen processors

Using AI features on an AMD Ryzen processor-powered PC let us execute coding and other tasks in substantially less time than using conventional, manual methods on a 3-year-old system

Many software developers and other technical professionals split their days between focused engineering work and routine tasks, such as meetings and email. By applying local AI technologies, they can spend less time on both coding and administrative activities. This lets them devote more time and mental bandwidth to deeper problem solving and can reduce the stress caused by an ever-growing to-do list.

As a follow-up to a previous study investigating the ways that AI can benefit technical professionals, we conducted tests to quantify the benefits of upgrading to new AI PCs featuring AMD Ryzen™ processors. We ran a set of defined scenarios three ways:

- Using AI technologies on a current AI-capable PC powered by an AMD Ryzen processor
- Using a manual approach on a current AI-capable PC powered by an AMD Ryzen processor
- Using a manual approach on a 3-year-old PC

Across the tasks we tested, using local AI features reduced task completion time by as much as 97.6 percent compared with traditional, non-AI approaches. Our results indicate AI-capable PCs powered by AMD Ryzen processors are a strong option for technology professionals who want to take advantage of AI in their daily workflows.

Tech expert
Performs software development and other tasks

Reclaim up to 2 workdays per week for high-value work
by employing local AI features to help streamline activities

Cut the time to complete a task
by up to 97.6% by using AI technologies

Greatly accelerate complex tasks by upgrading to AI PCs featuring AMD Ryzen processors April 2026

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