

# Google Launches Gemini 2.5 Computer Use: AI Models That Superiorly Control Web and Mobile Interfaces

Google officially introduced Gemini 2.5 Computer Use – a new AI model that helps intelligent agents interact directly with web interfaces and mobile applications. According to Google, Gemini 2.5 has surpassed many competitors in AI performance tests and is now open for public access via the Gemini API.

At Google I/O earlier this year, Google revealed plans to add 'computer use' capabilities to the Gemini API. Now, the company has officially announced Gemini 2.5 Computer Use, a specialized model designed to help AI agents interact directly with user interfaces (UI). According to Google, this new model has outperformed many leading competitors in AI performance assessments related to web and mobile app controls.

## How the 'computer\_use' tool works in the Gemini API

The process of using this tool includes the following steps:

1. The developer sends a user request to the tool, along with a screenshot of the working environment and a history of recent operations.
2. Additionally, developers can specify which types of UI actions are excluded or add custom functions if needed.
3. The Gemini 2.5 Computer Use model will analyze input data and generate a corresponding response — which could be a UI action like a mouse click or text entry.
4. If the model is uncertain, it will require confirmation from the end user, especially in sensitive actions like purchases.
5. The client-side code then performs the specified action (like clicking a button or displaying a confirmation box).
6. Once complete, the system sends back the new screenshot and current URL to the model, restarting the loop.

This cycle will repeat until the main goal requested by the user is completed.

According to Google, Gemini 2.5 Computer Use is optimized for web browsers, but also shows high performance when controlling mobile application interfaces. However, this model is not optimized for controlling interfaces at the desktop OS level.

Internal testing results show that Gemini 2.5 Computer Use achieves leading performance on many standard AI tests in the field of UI control.

Benchmark Performance					
Benchmark	Source/Harness	Gemini 2.5 Computer Use 10-2025	Claude Sonnet 4.5	Claude Sonnet 4	OpenAI Computer-Using Agent model
Online-Mind2Web	Official leaderboard	69.0%	—	—	61.3% (Operator)
	Measured by Browserbase	65.7%	55.0%	61.0%	44.3%
WebVoyager	Self-reported	88.9%	—	—	87.0%
	Measured by Browserbase	79.9%	71.4%	69.4%	61.0%
AndroidWorld	Measured by Google DeepMind	69.7%	56.0%	62.1%	Could not measure - No model access
OSWorld	Self-reported	OS control not yet supported	61.4%	42.2%	38.1%

Gemini 2.5 Computer Use is now in public preview. Developers can access and test the model via the Gemini API on Google AI Studio and Vertex AI.

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