

RoostGPT AI Provider

Support for UI Test Generation

Overview

RoostGPT supports three major AI providers for UI test generation:

- **OpenAI**
- **Google Gemini**
- **Azure OpenAI**

All models support vision capabilities for analyzing UI elements and generating comprehensive test cases.

Note - RoostGPT only support vision models for UI Test Generation.

OpenAI Models

Model Name	Context Window	Best For	Capabilities
GPT-5	Extended	Complex UI workflows, enterprise applications	Expert-level intelligence, built-in reasoning, superior visual perception
GPT-4.5	Large	Standard UI testing	Vision-enabled, balanced performance
GPT-4o (Omni)	Large	Multimodal test generation	Real-time visual analysis, fast response
GPT-4o mini	Standard	High-volume test generation	Cost-efficient, fast, good vision

Model Name	Context Window	Best For	Capabilities
o3	Extended	Complex test logic, deep reasoning	Advanced chain-of-thought with vision
o4-mini	Standard	Cost-efficient reasoning	Faster reasoning with vision support

Google Gemini Models

Model Name	Context Window	Best For	Capabilities
Gemini 2.5 Pro	Input: 1024k Output: 64k	Complex UI testing, large-scale apps	State-of-the-art thinking, long context
Gemini 2.5 Flash	Input: 1024k Output: 64k	Fast, cost-effective test generation	Best price-performance, agentic use cases
Gemini 2.5 Flash-Lite	Input: 1024k Output: 64k	High-volume, low-latency generation	Most cost-effective, optimized for throughput
Gemini 2.0 Flash	Input: 1024k Output: 8k	Next-gen features, modern apps	Native tool use, improved speed
Gemini 2.0 Flash-Lite	Input: 1024k Output: 8k	Budget-conscious projects	Cost-efficient, low latency

Azure OpenAI Models

Azure OpenAI provides the same OpenAI models with enterprise features.

Model Name	Context Window	Additional Features
GPT-5 Series	Extended	Azure security, compliance, VNET integration
GPT-4.5	Large	Private endpoints, managed identity
GPT-4.1 Series	Large	Regional deployment, data residency
GPT-4o Series	Large	SLA guarantees, Azure Monitor integration
o3, o4-mini	Extended/Standard	Azure AD authentication

Recommended Models

OpenAI

- **gpt-4o**
- **gpt-5**

Azure OpenAI

- **gpt-4o**
- **gpt-5**

Google Gemini

- **gemini-2.5-pro**
 - **gemini-2.5-flash**
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Support Resources

- **OpenAI:** platform.openai.com/docs
 - **Google Gemini:** ai.google.dev/gemini-api/docs
 - **Azure OpenAI:** learn.microsoft.com/azure/ai-services/openai
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