

# Zen Eco: 4B Efficient Models

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## Abstract

Efficient 4B models balancing performance and cost.

## 1 Introduction

Efficient 4B models balancing performance and cost.

### 1.1 Key Features

- 4B parameters, three variants
- 68% MMLU accuracy
- 28K tokens/sec inference
- Instruct, thinking, agent modes

## 2 Technical Specifications

Parameter	Value
Parameters	4B
MMLU Accuracy	68%
Speed	28K tokens/sec
Variants	instruct, thinking, agent
Context	32K tokens

Table 1: Technical specifications

## 3 Zen AI Ecosystem

Part of the complete Zen AI hypermodal ecosystem:

**Language:** zen-nano-0.6b, zen-eco-4b, zen-agent-4b

**3D & World:** zen-3d, zen-voyager, zen-world

**Video:** zen-director-5b, zen-video, zen-video-i2v

**Audio:** zen-musician-7b, zen-foley

**Infrastructure:** Zen Gym (training), Zen Engine (inference)

## **4 Conclusion**

Efficient 4B models balancing performance and cost.

## **Acknowledgments**

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