

INDUSTRIAL PRODUCT DATASHEET

# Raspberry Pi AI Kit

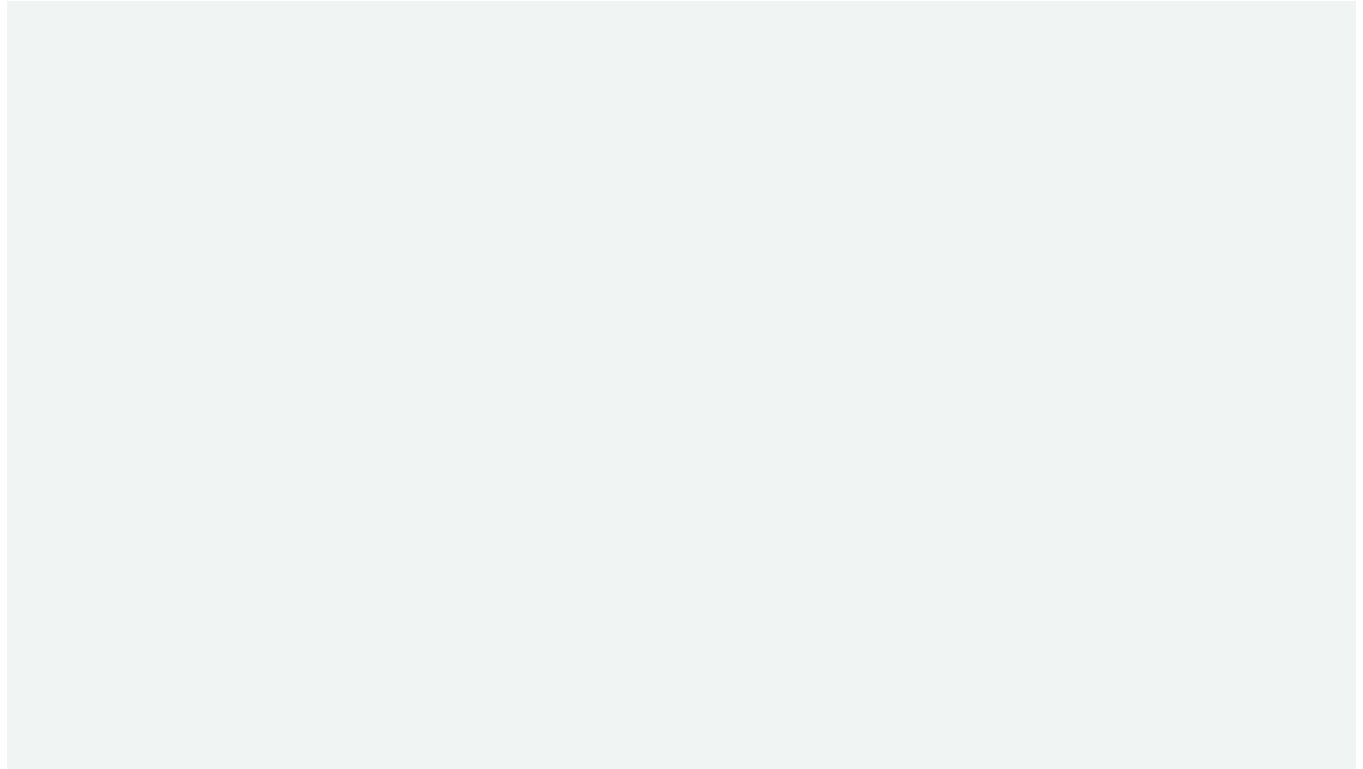
Raspberry Pi AI Kit with 13 TOPS accelerator for edge AI, supporting YOLOv8 object detection and pose estimation.

| SKU       | UPDATED             | PRICE              |
|-----------|---------------------|--------------------|
| 113060086 | 2026-06-09 02:26:30 | \$70.00(Excl. VAT) |



# Overview

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The Raspberry Pi AI Kit features a 13 TOPS neural network inference accelerator, fully integrated with Raspberry Pi's camera software stack. It enables AI applications such as YOLOv8 object detection and pose estimation on Raspberry Pi 5 and CM4-powered IoT gateways including reComputer R1000 and R1100.

# Key Features

- **13 Tera-Operations Per Second:** Contains a neural network inference accelerator capable of 13 tera-operations per second (TOPS)
- **Fully Adapted Camera:** Fully integrated into Raspberry Pi's camera software stack
- **Good Heat Dissipation Effect:** Thermal pad pre-fitted between module and HAT+ spreads heat across components, improving performance
- **Reserved Interface:** Supplied with 16mm stacking header, spacers, and screws to enable fitting on [Raspberry Pi 5](#), [CM4-powered IoT gateway & Controller](#)

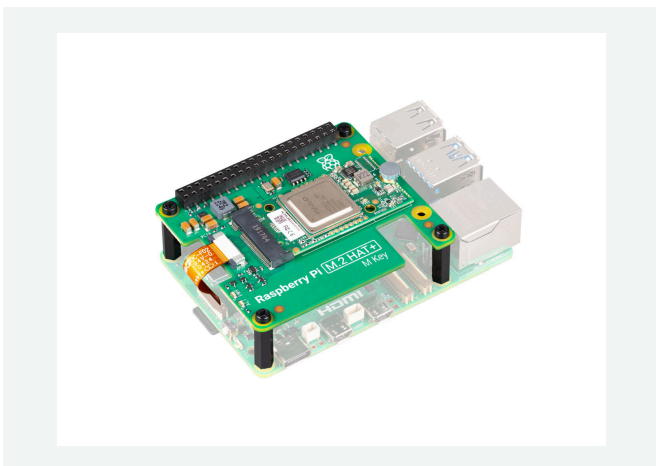
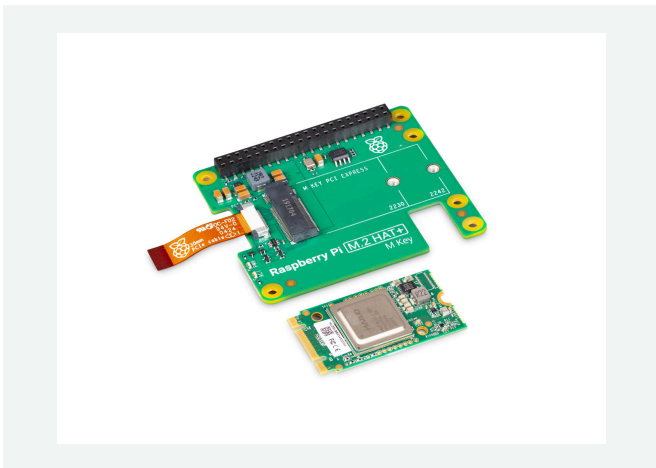
Use this kit to start your AI Journey on Raspberry Pi

Use this kit to build your AI edge IoT Gateway & Controller Powered by Raspberry Pi CM4

- [reComputer R1000](#)

- [reComputer R1100](#)

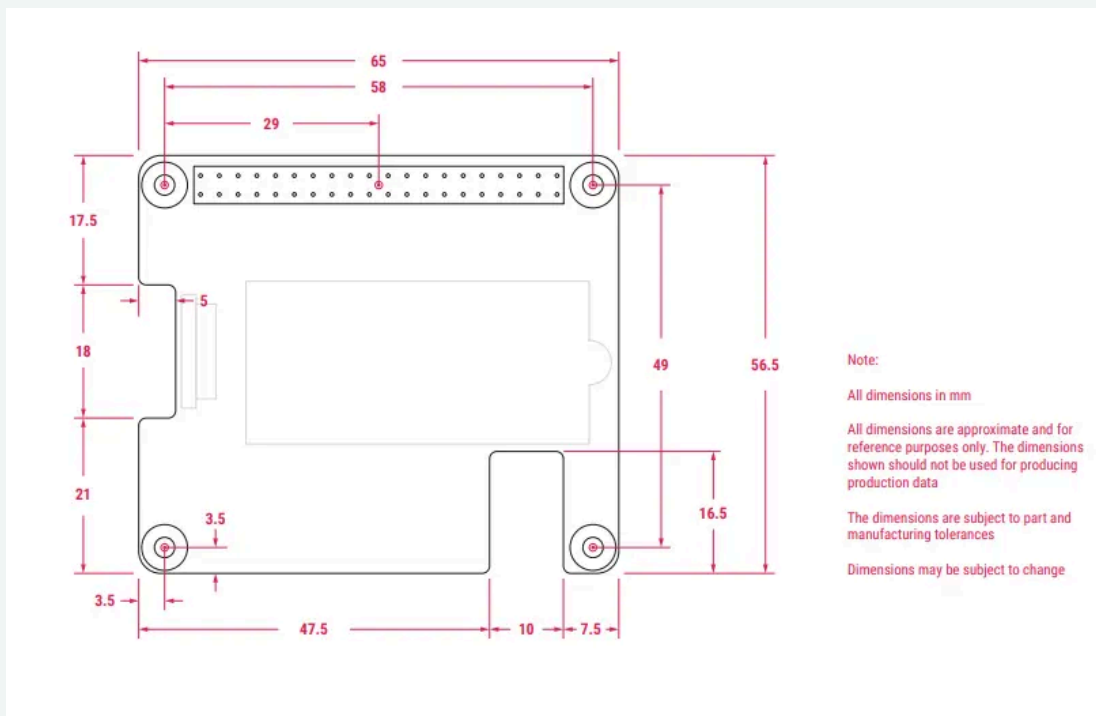
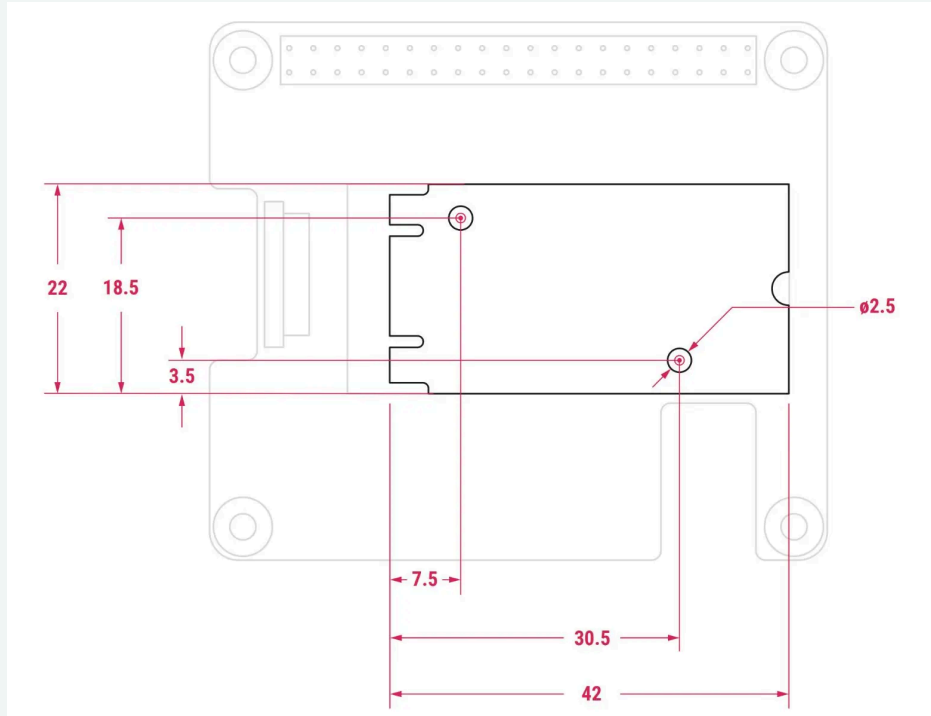
# Product Gallery



## Specification

|                       |                      |
|-----------------------|----------------------|
| Interface             | 16mm stacking header |
| Operating temperature | 0°C to 50°C          |

# Hardware Overview



# Applications

- Tutorial of AI Kit with Raspberry Pi 5 about YOLOv8n object detection
- YOLOv8 Object Detection on reComputer R1000, the CM4 Powered Gateway & Controller with Hailo-8L
- YOLOv8 Pose Estimation on reComputer R1000, the CM4 Powered Gateway & Controller with Hailo-8L
- Pose-Based Light Control with Node-Red and Raspberry Pi with AI kit

## Part List

|                       |     |
|-----------------------|-----|
| Raspberry Pi M.2 HAT+ | x 1 |
| Hailo AI Module       | x 1 |

## Compliance & Logistics

|          |            |
|----------|------------|
| HSCODE   | 8543909000 |
| USHSCODE | 8473309100 |
| UPC      |            |
| EUHSCODE | 8543709099 |
| COO      | CHINA      |

# Resource Links

- <https://www.seeedstudio.com/Raspberry-Pi-AI-Kit-p-5900.html>
- [Raspberry Pi AI Kit](#)
- [Raspberry Pi M.2 HAT+](#)
- [Hailo AI Module](#)

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