

INDUSTRIAL PRODUCT DATASHEET

reComputer Industrial R2046-10 - The Most Reliable and Powerful Raspberry Pi Edge AI/IOT Controller

reComputer Industrial R2046-10: Industrial-grade edge AI/IOT controller powered by Raspberry Pi CM5 with optional Hailo-8 AI acceleration (26 TOPS), featuring 16GB RAM, 64GB eMMC, extensive industrial interfaces, versatile...

SKU

100077422

UPDATED

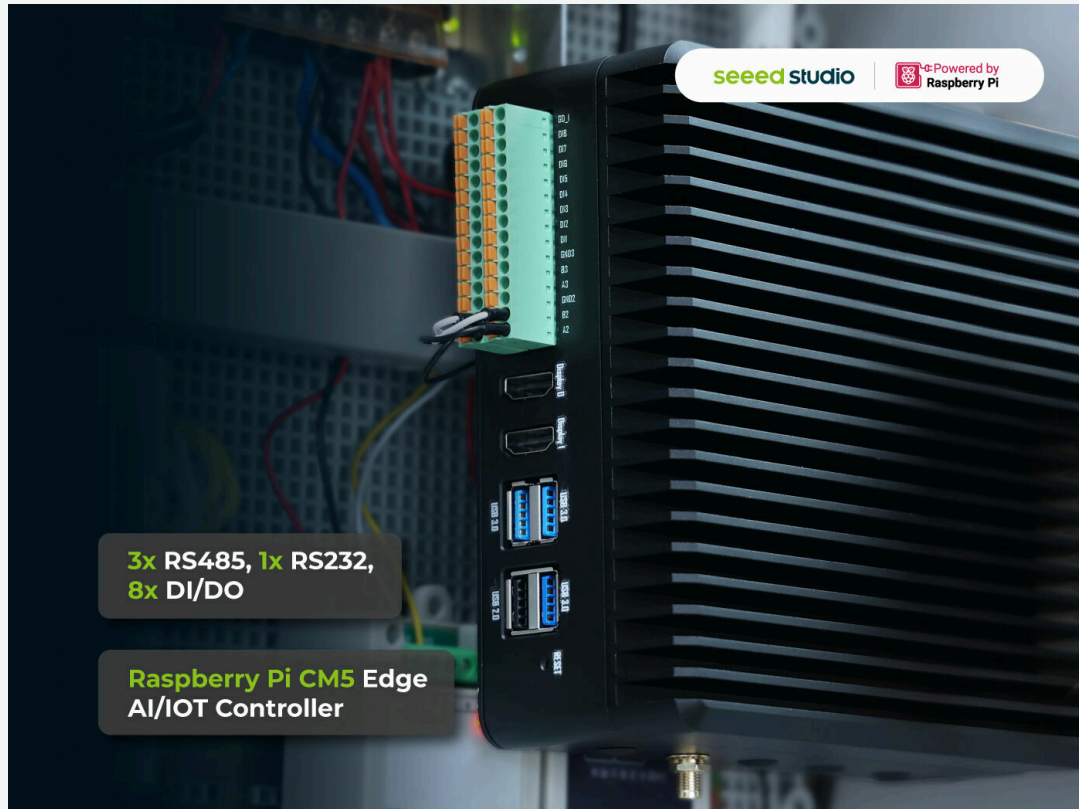
2026-09-20 06:36:30

PRICE

\$739.90(Excl. VAT)



Overview



The reComputer Industrial R2046-10 is an industrial-grade edge AI/IOT controller powered by Raspberry Pi CM5 with optional Hailo-8 AI acceleration (26 TOPS). It features 16GB RAM, 64GB eMMC, extensive industrial interfaces, versatile wireless options, fanless cooling, wide temperature range (-20°C to 65°C), and long-term production support, engineered for dependable AI performance and seamless connectivity in demanding environments.

Key Features

reComputer Industrial R2046-10 - The Most Reliable and Powerful Raspberry Pi Edge AI/IOT Controller

SKU

100077422

-

Be the first to review this product

Industrial-grade edge AI/IOT controller powered by Raspberry Pi CM5 with optional Hailo-8 AI acceleration (26 TOPS). Features 16GB RAM, 64GB eMMC, extensive industrial interfaces, versatile wireless options, fanless cooling, wide temperature range (-20°C to 65°C), and long-term production support. Engineered for dependable AI performance and seamless connectivity in demanding environments.

USD \$739.90

In stock

- 10+: \$734.50

☐

-

+

China Warehouse ▼

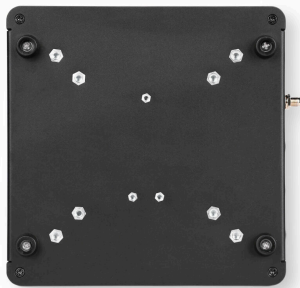
Orders shipped from China warehouse to the US may cause additional import duties. For fastest shipping and no duty, Shop at our **US warehouse**.

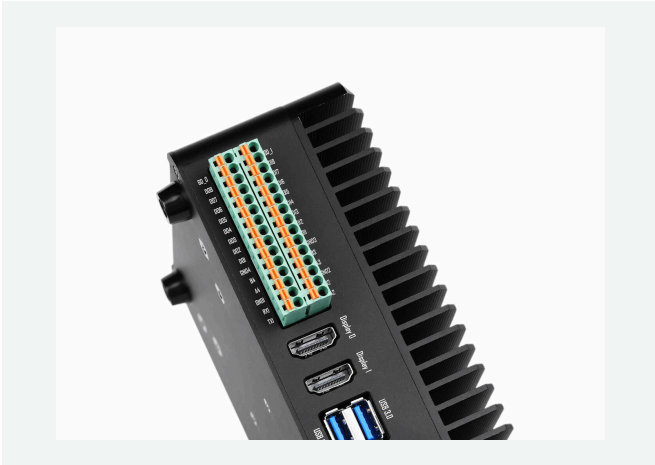
Add to Cart

- Fast Checkout With
- Free Insurance Included On Us
- Flexible Payments with PayPal Pay Later
- Avoid Import Fees: Ship Tax-Free from Local Warehouses
- 1 on 1 Support | 12-Month Warranty | 30-Day Return Policy

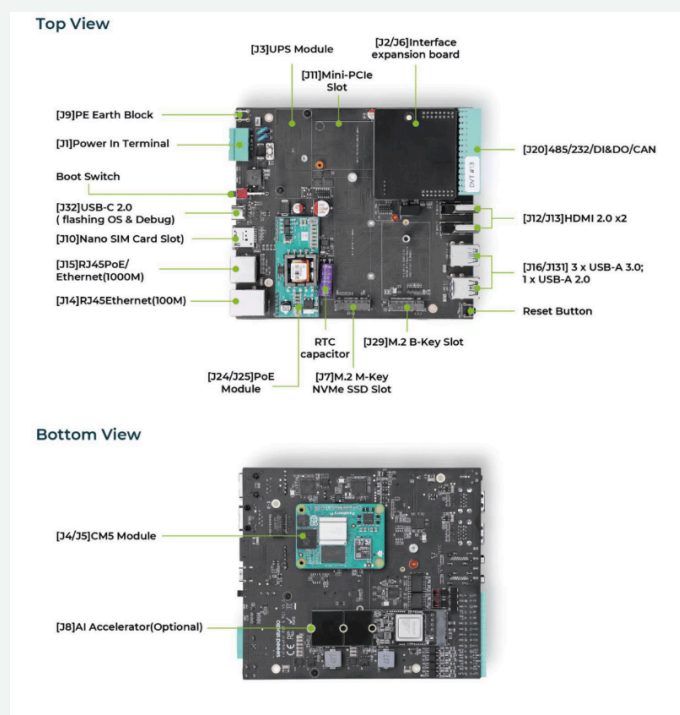
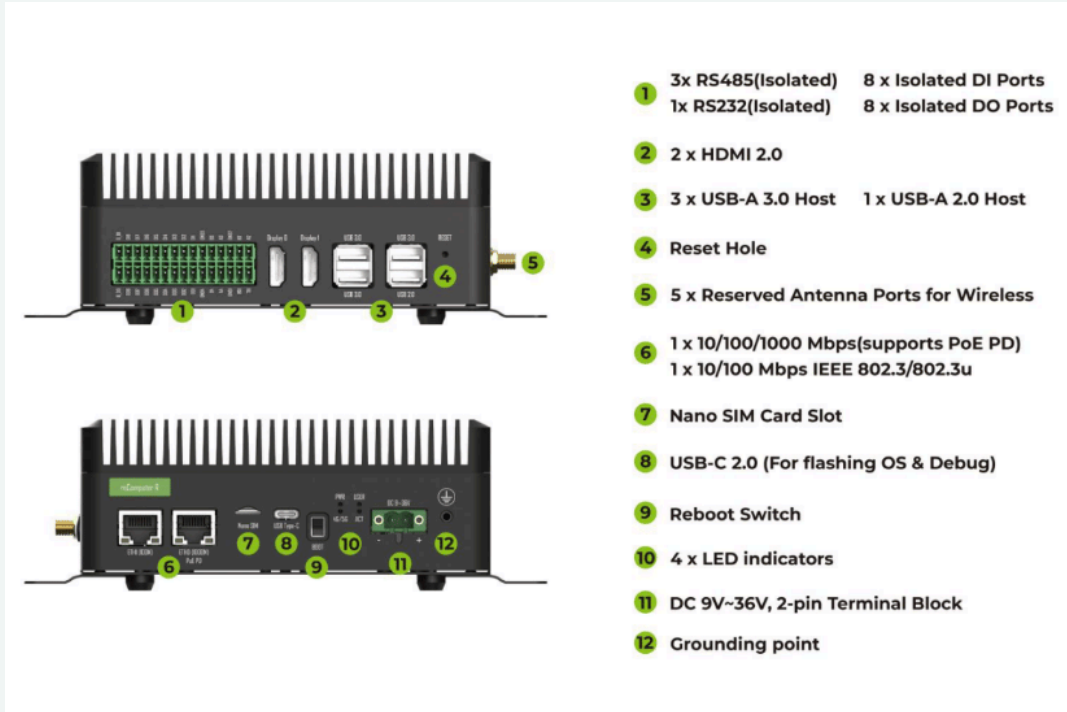
- Product Details
- Learn and Documents
- Shared by Users
- Reviews
- FAQ

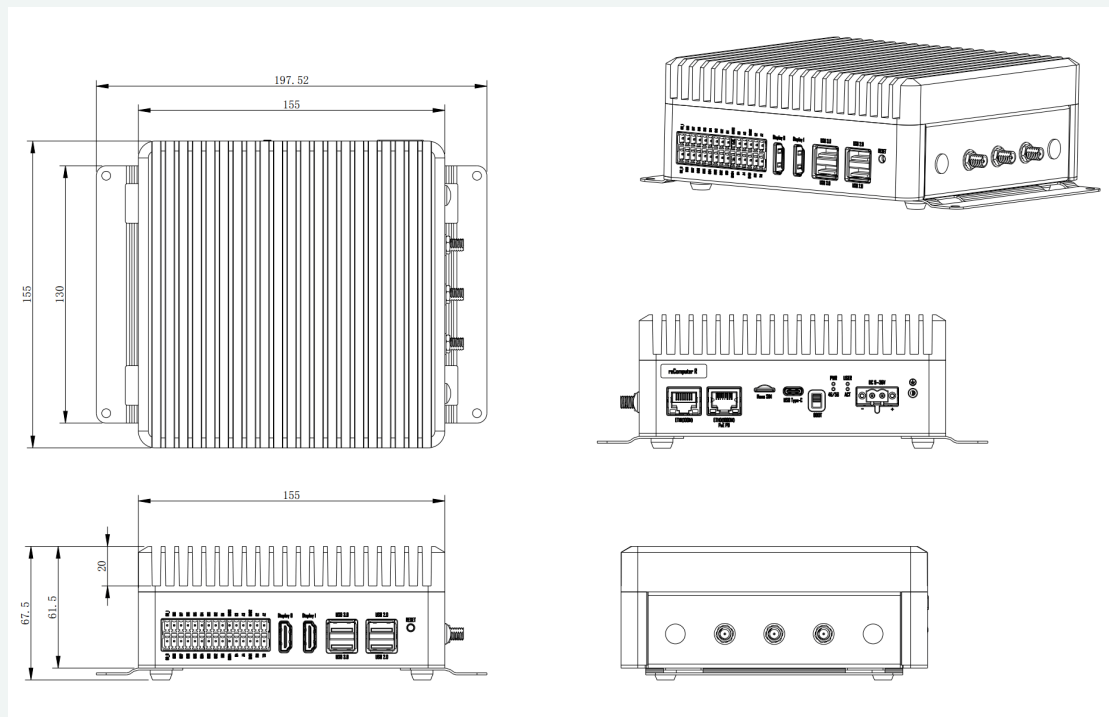
Product Gallery





Hardware Overview





Applications

- **Manufacturing & Industrial Automation:** With rich industrial interfaces, the controller integrates seamlessly with different sensors, PLCs, and machinery, enabling efficient process monitoring and control. It supports multiple communication protocols for real-time data acquisition and remote equipment management, fostering a smarter and more efficient factory.
- **AI-Powered Video Analytics & Surveillance:** Integrated into NVR systems for real-time video analytics, including anomaly detection, object detection, crowd monitoring and behavior analysis, enhancing situational awareness and security efficiency.
- **Smart Transportation:** Acts as an AI/IoT gateway for real-time processing of visual data from multiple sensors and camera feeds at the edge, enabling intelligent traffic flow analysis and smart parking management to enhance transportation monitoring management capabilities.
- **Smart Building:** Integrates sensors and IoT devices to monitor and optimize building systems such as lighting, HVAC, and security. Uses AI for energy efficiency, predictive maintenance, and occupant comfort, enhancing building management.
- **Smart Retail:** Create innovative smart retail solutions using AI-driven features like real-time visual product recognition, personalized shopping experiences, and advanced customer behavior analytics for optimized store operations.

Resource Links

- <https://www.seeedstudio.com/reComputer-Industrial-R2046-10-p-6971.html>
- [Seeed Raspberry Pi Flyer](#)
- [reComputer_Industrial_R2000_User_Mannual](#)
- [reComputer_industrial_R2000_Schematic](#)
- [reComputer_Industrial_R2000/2100_3D_File](#)
- [Seeed Raspberry Pi Flyer-CN](#)
- [Seeed reComputer Industrial R Series Flyer](#)

Seeed Technology Co.,Ltd.

9F, Building G3, International E City,
Zhongshanyuan Road, Nanshan, Shenzhen, China

Tel: +86 0755-80695676

Web: www.seeed.cc

Shop: www.seeedstudio.com