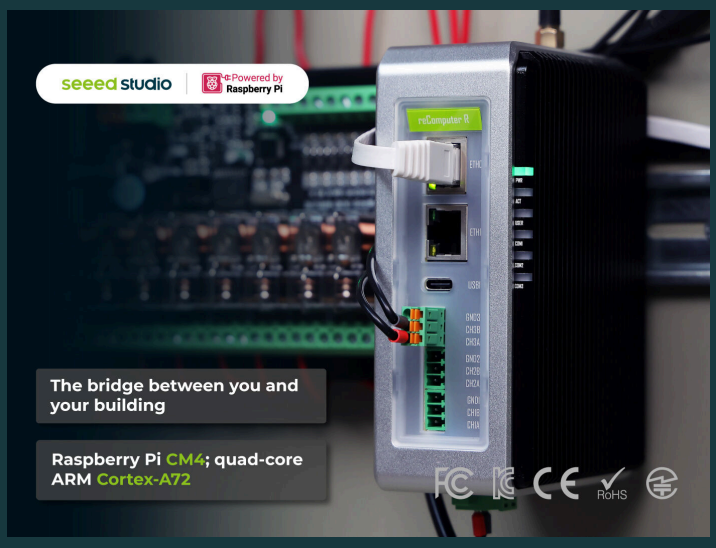
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INDUSTRIAL PRODUCT DATASHEET

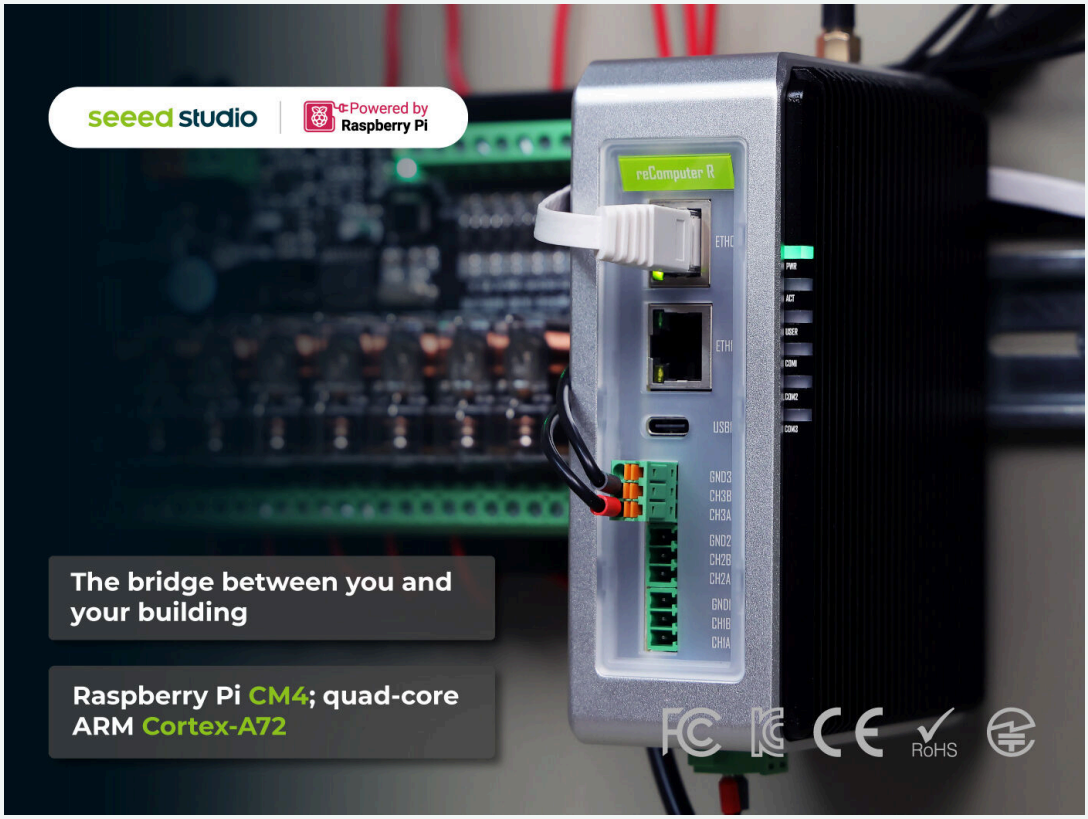
reComputer R1013-10 - Raspberry Pi IoT Gateway & Controller, CM4-Powered, AI Capable | 2GB RAM, 8GB eMMC

Configurable Raspberry Pi CM4 IoT gateway with 2GB RAM, 8GB eMMC, multi-protocol wireless, and AI upgrade capability.

SKU	UPDATED	PRICE
113991295	2026-08-06 09:56:30	$229.00(Excl. VAT)



Overview



The reComputer R1013-10 is a Raspberry Pi CM4-powered IoT gateway and controller with 2GB RAM and 8GB eMMC, offering flexible wireless communication including 4G, LoRa®, Wi-Fi/BLE, and Zigbee along with essential modules like GPS, UPS, TPM2.0, PoE, and SSD. It can be customized and upgraded to an AIoT gateway using the Raspberry Pi AI kit for edge AI applications.

Key Features

Note

The R1000 has been upgraded to version 1.1. For detailed upgrade information, please refer to the Wiki: **R1000_v1_1_description**

Price Increase Announcement
Date: March 2, 2026
Due to increased demand for modules and SSDs, reComputer' pricing is expected to rise by approximately $20–$80 in the coming weeks. Please confirm your orders and requirements accordingly to help secure availability.

Note

reComputer R1000 provides flexible IoT wireless communication(4G, LoRa®, Wi-Fi/BLE, Zigbee) and essential functional modules (GPS, UPS, TPM2.0, PoE, SSD, etc.).

- **Customize, Configure, and Engineer your own reComputer R1000**
- **Check the accessory list and assembly guide**.
- Upgrade it to an AIoT gateway **with Raspberry Pi AI kit**.

Product Gallery

















Specification

Parameter	Description
Hardware Spec	
Product Series	R1000
CPU	Raspberry Pi CM4, Quad-core Cortex-A72@ 1.5GHz
Operating System	Raspbian, Ubuntu, Debian
RAM	2GB
eMMC	8GB
System Spec	
Input	2-pin Terminal Block
PoE	IEEE 802.3af Standard 12.95W PoE*
Supply Voltage(AC/DC)	12~24V AC/9~36V DC
Overvoltage Protection	40V
Power Consumption	Idle:2.88W; Full Load:5.52W
Power Switch	No
Reboot Switch	Yes
Interface	
Ethernet	1 x 10/100/1000 Mbps (supports PoE*)
	1 x 10/100 Mbps IEEE802.3/802.3u
USB	2 x USB-A 2.0 Host
	1 x USB-C 2.0 (For flashing OS)
RS485	3 x 3-pin Terminal Block (isolated)
HDMI	1 x HDMI 2.0
SIM Card Slot	supports Standard SIM Card
M.2 Slot	supports M.2 NVMe SSD
LED	6 x LED indicators
Buzzer	1
Reset Button	1
HDMI	1 x HDMI 2.0
Wireless Communication	
LoRa®	USB LoRa®*/SPI LoRa®*
Wi-Fi 2.4/5.0 GHz	On-chip Wi-Fi

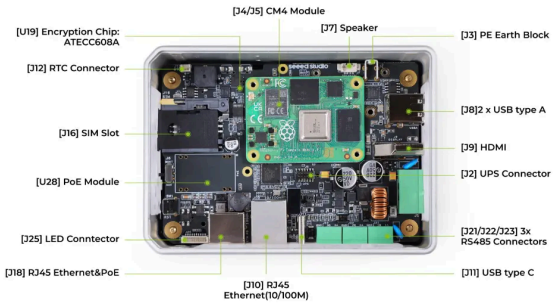
4G Cellular	4G LTE*
Zigbee	USB Zigbee*
Standards	
EMC	ESD: EN61000-4-2, Level 3
	EFT: EN61000-4-4, Level 2
	Surge: EN61000-4-5, Level 2
Certification	CE, FCC
	TELEC
	RoHS
Ambient Conditions	
Ingress Protection	IP40
Operating Temperature	-30~70 °C
Operating Humidity	10~95% RH
Storage Temperature	-40~80 °C
Others	
Supercapacitor UPS	SuperCAP UPS LTC3350 Module*
Hardware Watchdog	1~255s
RTC	High Accuracy RTC
Security	Encryption Chip TPM 2.0*
	ATECC608A
Heat Dissipation	Fanless
Warranty	2 years
Production Lifetime	Until at leaset December 2034
Statement	Options marked with * require additional purchase according to the accessories list.

Hardware Overview



1	1000M Ethernet	7	SIM Slot
2	100M Ethernet	8	Boot Switch
3	Serial Console	9	Reset Hole
4	3 x Isolated RS485	10	Power In
5	LED	11	HDMI
6	2 x Reserved Antenna Ports for Wireless	12	USB Host

Top View



Bottom View



Applications

- **Raspberry Pi CM4-Powered Intelligent Supermarket System**
- **Pose-based Light Control System with Node-Red & Raspberry Pi AI Kit**
- **MING Stack for Seamless IIoT Data Management**
- **FIN Framework for Smart Building Management**

Part List

reComputer R1000 x 1	x 1
DIN-rail clip	x 1
Screw Pack	x 1
DC Power Female Jack to Screw Terminal Adapter	x 1
3-pin Terminal Block Connector(Male)	x 3
120Ω Resistor	x 5
User Manual	x 1

Compliance & Logistics

HSCODE	8537109090
USHSCODE	8517620090
UPC	
EUHSCODE	8471707000
COO	CHINA

FCC Requirement

Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

(1) this device may not cause harmful interference, and

(2) this device must accept any interference received, including interference that may cause undesired operation.

15.21

This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

Note: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules.

These limits are designed to provide reasonable protection against harmful interference in a residential installation.

This equipment generates, uses, and can radiate radio frequency energy.

If not installed and used in accordance with the instructions, it may cause harmful interference to radio communications.

However, there is no guarantee that interference will not occur in a particular installation.

If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

Resource Links

- https://www.seeedstudio.com/reComputer-R1013-10-p-5924.html
- USER Manual
- USER Manual in Chinese
- reComputer R1000 3D File
- reComputer R1000 Schematic Design, PCB Design
- reComputer R1000 Flyer
- reComputer R1000 Flyer in Chinese
- Seeed's Raspberry Pi Powered Device

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