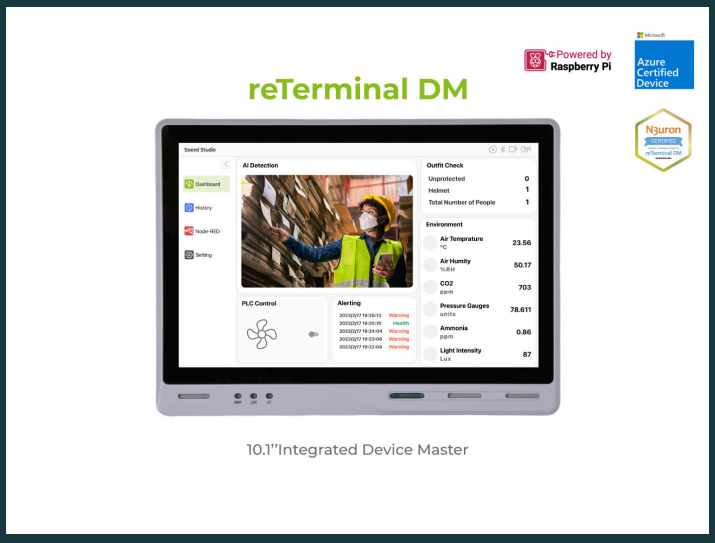
seeed studio

INDUSTRIAL PRODUCT DATASHEET

reTerminal DM - 10.1" HMI| CM4108032 | Raspberry Pi Rugged Panel PC | Panel Controller

reTerminal DM is a Panel PC, HMI, IIoT Gateway all-in-one device powered by Raspberry Pi CM4, with 10.1'' IP65 front panel and supports Raspberry Pi-based software ecosystem.It is equipped with rich interfaces, supporting CAN bus,...

SKU	UPDATED	PRICE
114070201	2026-11-11 09:51:45	$515.90(Excl. VAT)



Overview



10.1''Integrated Device Master

reTerminal DM is a Panel PC, HMI, IIoT Gateway all-in-one device powered by Raspberry Pi CM4, with 10.1'' IP65 front panel and supports Raspberry Pi-based software ecosystem.It is equipped with rich interfaces, supporting CAN bus, RS485, RS232, Gigabit Ethernet, as well as powerful wireless communication capabilities such as 4G, LoRa®, Wi-Fi, and BLE.

Key Features

01 **Rugged design for harsh working environment**

IP65 front panel, -10~50°C operating temperature

02 **Open-source design in software and hardware**

Powered by Raspberry Pi CM4, easy for customization or derivatives with the PCIe extensions design (flexible for NVME SSD, Dual 1000M Ethernet, Dual USB 3.0, COM Port RS485/232, and more customizations)

03 **Cost-effective Device Master**

HMI, PLC, Panel PC and gateway all-in-one. Perfect for the distributed hub devices

04 **Low code programming for event-driven applications**

Natively integrated Node-RED for flow-based editing and one-click deployment, compatible with all software runs on Raspberry Pi

05 **Hybrid connectivity**

Support 4G LTE, LoRaWAN®, Wi-Fi, BLE, RS485/RS232, CAN bus, 1000M Ethernet, USB, HDMI

06 **Product Warranty**

Two-year warranty

Product Gallery







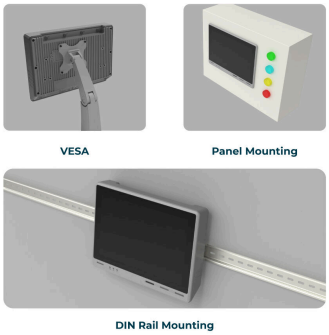








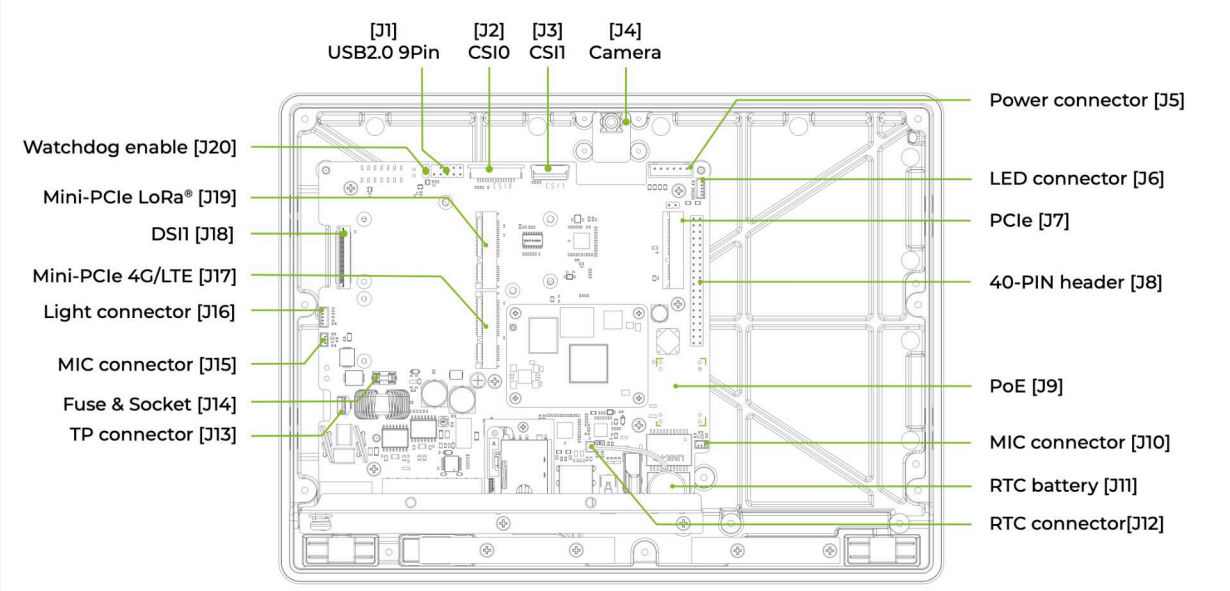



VESA
Panel Mounting
DIN Rail Mounting



Hardware Overview





Applications

- **The reTerminal DM HMI presents a versatile solution applicable across numerous industries. Seamlessly integrating cutting-edge technologies, it streamlines operations and enhances efficiency. Running on the Home Assistant platform and employing Computing Vision, Cloud solutions, and platforms like N3uron, Ignition Edge, and Node-RED, along with our proprietary platform, Sensecraft Edge OS, it opens up exciting possibilities for developers and enthusiasts alike.**
- **Energy Management: Monitor grids, monitor and maintain solar panels.**
- **Building Management: Central control panel for BAS, individual room control panels.**
- **MedTech: Medical device control panel, patient monitoring station.**
- **Construction: BIM, Monitor sites, control heavy machinery.**
- **Transportation: Monitor vehicle health, control ticketing systems (buses, trains).**
- **Agriculture: Control irrigation systems, monitor greenhouse conditions.**
- **Retail: Display digital signage, control self-checkout kiosks.**
- **Logistics: Track inventory movement, manage warehouse operations.**
- **Water Management: Monitor water treatment plants, control water distribution.**

Resource Links

- https://www.seeedstudio.com/reTerminal-DM-p-5616.html
- reTerminal DM Datasheet
- reTerminal DM User Manual
- PoE Datasheet
- reTerminal DM Azure IoT Edge
- Seeed's Raspberry Pi-based Success Cases
- reTerminal DM EMC Test Report
- reterminal DM Vibration and Shock Test Report
- reTerminal DM CE Certificate
- reTerminal DM FCC Certificate
- reTerminal DM Structural Design File.stp
- reTerminal DM Schematic Design & PCB Design & Gerber Files
- SeeedRasperryPiFlyer

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