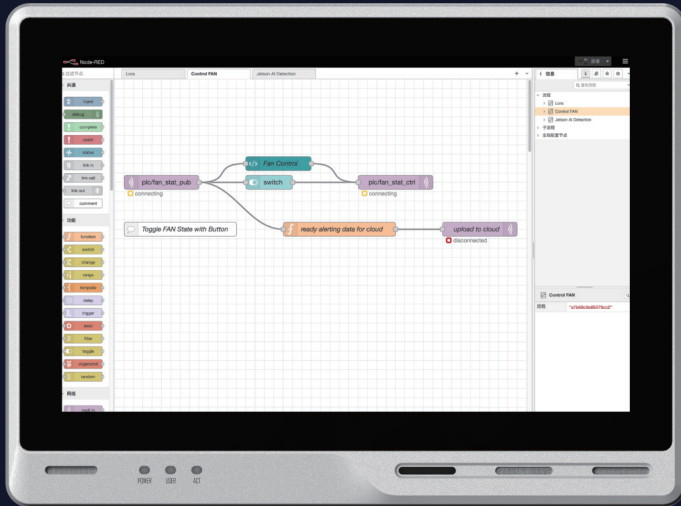


reTerminal DM 10.1" Integrated Device Master



HMI, PLC, Panel PC and Gateway in one

Perfect for distributed hub device



Low code programming for event-driven applications

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



Rugged design for harsh working environment

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



Hybrid connectivity

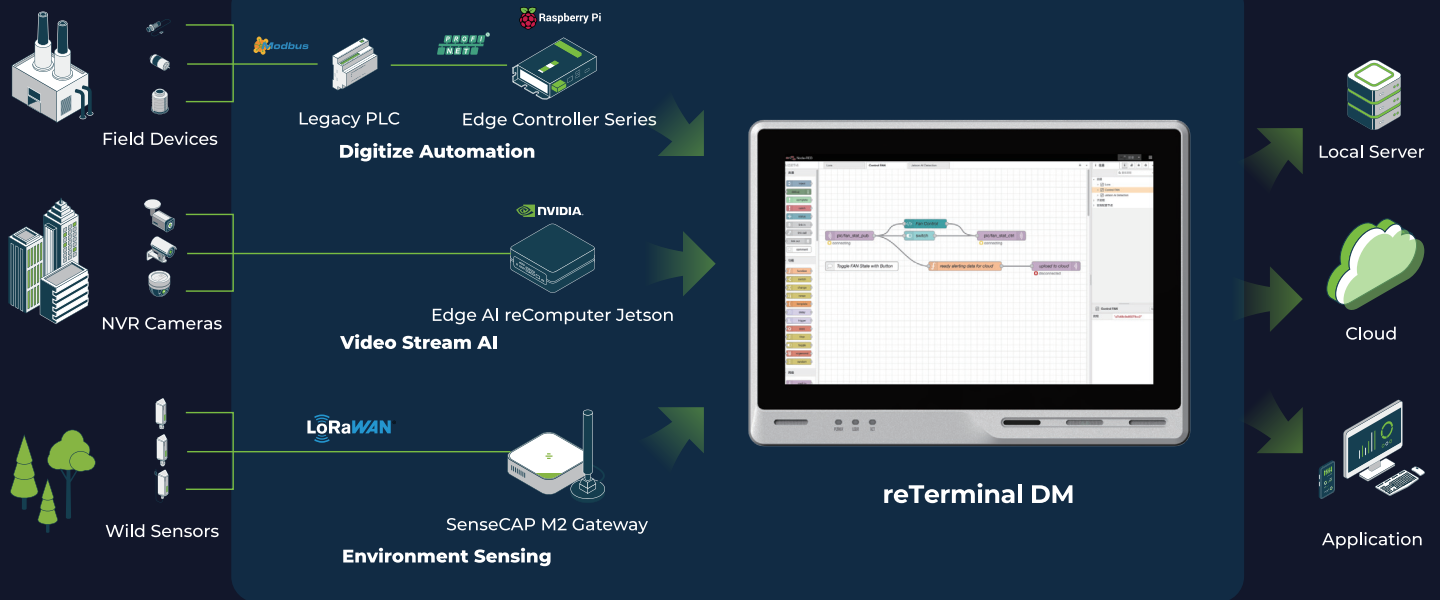
Support 5G, 4G LTE, LoraWAN®, Wifi, BLE, RS485/232, CANBUS



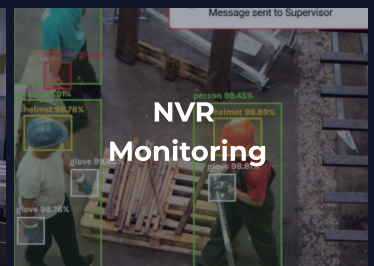
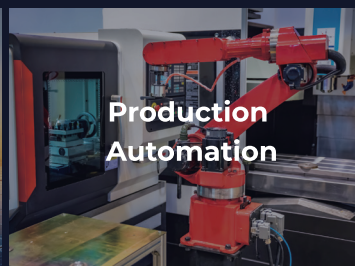
Open-source design in software and hardware

Raspberry Pi CM4 8GB RAM 32GB eMMC core, welcome customization or derivatives

An Integrated Device Master to Unify Data Flow and Manage Onsite Device



Application



Specification

Basic	
CPU	CM4
	Quad-core Cortex-A72@ 1.5GHz
Memory	8GB
Storage	32GB eMMC
	M.2 NVMe SSD Slot 2280-M Key (optional)
OS Support	Raspbian, SenseCraft Edge OS
Display	
Size	10.1"
Max. Resolution	1280 x 800
Max. Colors	16.7M (8-bit)
Luminance (nit)	400
Viewing Angle (H/V°)	170/170
Backlight Life (hrs)	30000
Touch Type	10-point Capacitive
Pencil Hardness	7H
Video&Audio	
Video	HDMI 2.0
Audio	Microphone x 2
	Buzzer
	3.5mm Audio Jack
Camera	CSI (optional)
Interfaces	
Ethernet	1 x 10/100/1000 Mbps 2 x 10/100/1000 Mbps (optional)
USB	2 x USB-A 2.0 Host 2 x USB 3.0 (optional)
RS485	1 x RS-485 > Terminal Block 1 x RS-485 > DB9 (optional)
RS232	1 x RS-232 > Terminal Block 1 x RS-232 > DB9 (optional)
CAN	1 x CAN-BUS > Terminal Block
DI	4 x DI > Terminal Block
DO	4 x DO > Terminal Block
40 pin GPIO	Inside
Wireless Communication	
Wi-Fi	On-chip Wi-Fi

BLE	On-chip BLE
LoRa®	Mini-PCIe for LoRaWAN® (optional)
Cellular	Mini-PCIe for 4G (optional)
Power	
Input	2-pin Terminal Block
PoE	12.95W PoE (optional)
Power Range	12~24V DC
Power Consumption	6W Typ., 9W Max.
Power Switch	No
Reboot Switch	Yes
Environment	
Ingress Protection	IP65 Front Panel
Operating Temperature	-10~50 °C
Storage Temperature	-20~70 °C
Humidity (Operating)	10~95% RH
Mechanical	
Dimension (W x H x D)	259.4 x 191 x 42.2 mm
Enclosure	Die-cast Aluminum Alloy
Mounting	Panel, VESA, Din-Rail
Weight (Net)	1.8Kg
Certification	
	CE, FCC, UCKA, RoHS, Telec, REACH
EMC	
ESD	EN61000-4-2, Level 3
EFT	EN61000-4-4, Level 2
Surge	EN61000-4-5, Level 2
Others	
RTC	High Accuracy RTC
Hardware WatchDog	1~255s
Security	ATECC608A
Warranty	2 Years
Heat Dissipation	Fanless

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Check Seed Studio's Raspberry Pi Series Catalog:

<https://files.seeedstudio.com/wiki/raspberry-pi/seeed-studio-raspberry-pi-series-catalog-v1.1.pdf>

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