



Parameters

CPU Rockchip RK3566, quad-core Cortex-A55

NPU 1 TOPS (optional)

Memory 2 / 4 / 8 GB LPDDR4

Storage 16 / 32 / 64 GB eMMC

Network Gigabit Ethernet + optional WiFi

USB 2 × USB 2.0, 1 × USB 3.0

Serial 1 × RS485, 1 × RS232

GPIO 8-channel isolated GPIO header

OS Ubuntu 22.04 / Debian 11 / Buildroot

Environment & Power

Power DC 9-36 V wide input

Operating temp. -20 °C to 60 °C

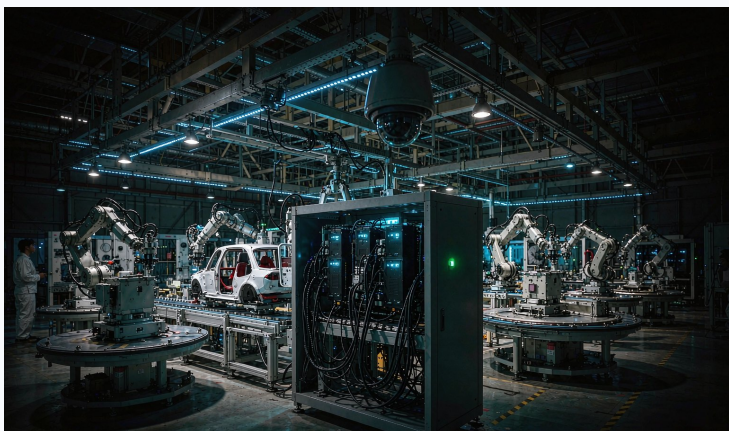
Typical Applications

· PLC Gateway

Aggregates Modbus RTU devices into a single IP uplink.

· Building Automation

Controls HVAC, lighting and metering over RS485.



I/O Port

- | | | |
|----|--------|--------------------------------|
| 01 | USB | 2 × USB 2.0, 1 × USB 3.0 |
| 02 | Serial | 1 × RS485, 1 × RS232 |
| 03 | GPIO | 8-channel isolated GPIO header |

Specification

- | | |
|----------|----------|
| Mounting | DIN-rail |
|----------|----------|

Typical Applications

· PLC Gateway

Aggregates Modbus RTU devices into a single IP uplink.

· Building Automation

Controls HVAC, lighting and metering over RS485.

· Sensor Hub

Edge buffering when the uplink drops, sync on reconnect.