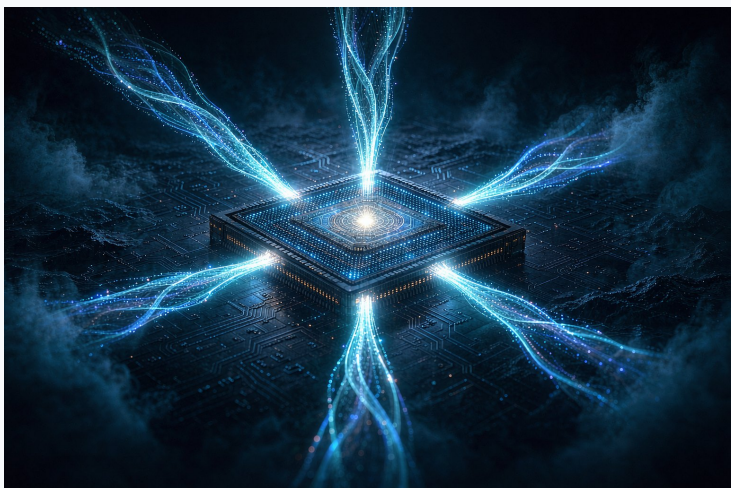




Parameters

CPU	Rockchip RK3588, 4× Cortex-A76 + 4× Cortex-A55
NPU	6 TOPS onboard, expandable to 32 TOPS
Memory	4 / 8 / 16 GB LPDDR4x
Storage	32 / 64 / 128 GB eMMC + M.2 2280 NVMe
Video	8K encode & decode, HDMI 2.1 out + HDMI-in
Network	2 × Gigabit Ethernet, optional WiFi 6 / 4G
USB	2 × USB 3.0, 2 × USB 2.0
Industrial I/O	2 × RS485, 1 × RS232, 2 × CAN, GPIO
OS	Ubuntu 22.04 / Debian 11 / Android 12

Environment & Power

Power	DC 12-24 V wide input
Operating temp.	-40 °C to 60 °C

Typical Applications

· Machine Vision

On-device inference for defect detection and dimension checks w...

· Edge AI Gateway

Runs YOLO and custom models locally, uploads only results to t...



I/O Port

01	USB	2 × USB 3.0, 2 × USB 2.0
02	Industrial I/O	2 × RS485, 1 × RS232, 2 × CAN, GPIO

Specification

Enclosure	Finned aluminium, fanless
Mounting	Wall / DIN-rail / VESA

Typical Applications

· Machine Vision

On-device inference for defect detection and dimension checks without a server round-trip.

· Edge AI Gateway

Runs YOLO and custom models locally, uploads only results to the cloud.

· 8K Digital Signage

Hardware 8K decode with HDMI-in overlay for retail media walls.