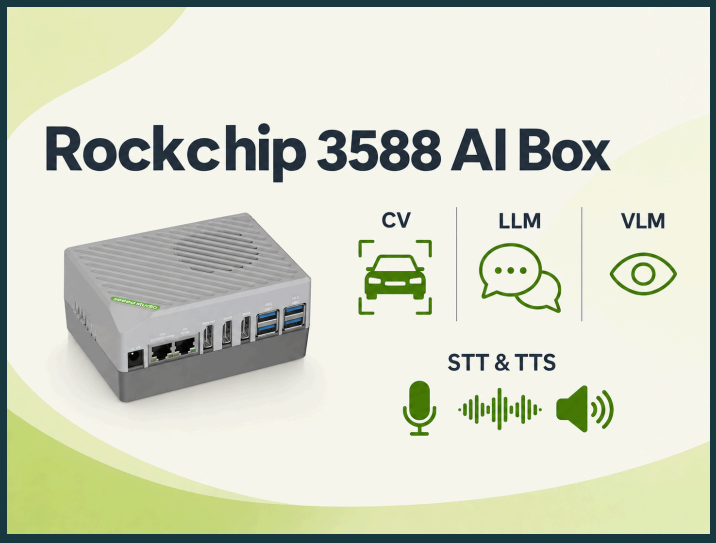
seeed studio

INDUSTRIAL PRODUCT DATASHEET

reComputer RK3588-30 | Open Rockchip AI Box tailored for AI Application Development

6 TOPS NPU | Open Source | 8 Core | LPDDR5 up to 32GB | Expandable to 26 TOPS via PCIe | M.2 for SSD & AI Acceleration | One Click Used with reComputer AI Lab | Armbian Pre-installed | CV, LLM, VLM， STT, TTS | miniPCIe for...

SKU	UPDATED	PRICE
100071234	2026-11-23 09:30:56	$279.00(Excl. VAT)



Overview



6 TOPS NPU | Open Source | 8 Core | LPDDR5 up to 32GB | Expandable to 26 TOPS via PCIe | M.2 for SSD & AI Acceleration | One Click Used with reComputer AI Lab | Armbian Pre-installed | CV, LLM, VLM，STT, TTS | miniPCIe for 4G/LoRaWAN/Wi-Fi Halow | Decoder 8K@60fps | Encoder 8K@30fps | Simultaneous 4-Display Output | 2x 2.5GbE

Key Features

01 **4 × Cortex-A76 @2.4GHz**

02 **4 × Cortex-A55 @1.8GHz**

03 **LPDDR5 （8GB/16GB/32GB）**

04 **ARM Mali GPU-G610 MC4**

05 **Vision CNN**

YOLO11@60FPS(640*640)

06 **LLM**

capable for deepseek-r1-distill-qwen 7b support

07 **VLM**

capable for qwen2.5-vl 3b

08 **STT**

whisper_base_20s (RTF 0.215) with real-time processing support

09 **TTS：mms_tts_eng_200 （RTF 0.069) with real-time processing support**

10 **Framework support includes**

ONNX, PyTorch, TensorFlow, TensorFlow Lite, Caffe, Darknet，.....

11 **Toolchain support**

RKNN-Toolkit2

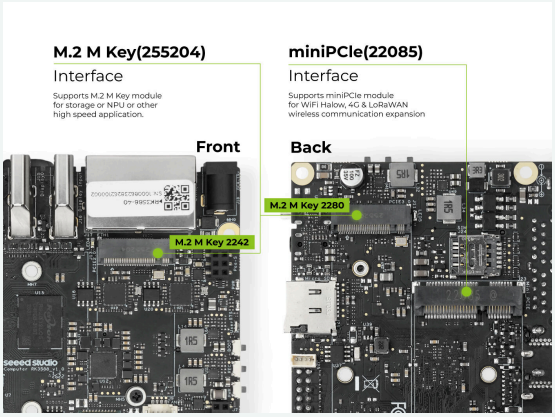
12 **Ready-to-Use Models**

Product Gallery

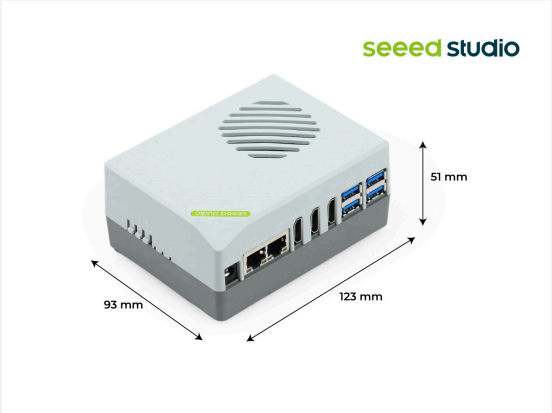




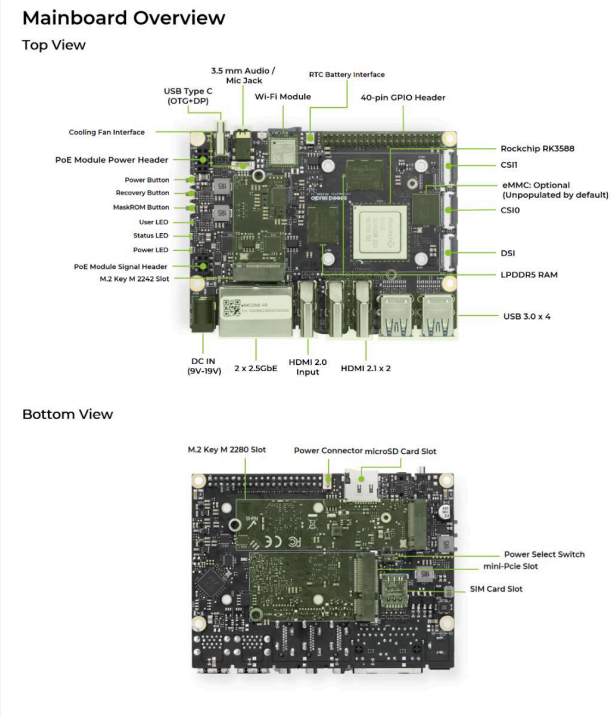








Hardware Overview



Applications

- **Check More Demos onreComputer AI lab.**

Resource Links

- https://www.seeedstudio.com/reComputer-RK3588-30-p-6817.html
- reComputer RK35XX Series Flyer
- reComputer RK3588 Schematic
- reComputer RK3588 Top Cover ABS
- reComputer RK3588 Bottom Cover ABS
- Rockchip RK3588 Datasheet

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