

S2 Spec

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简介 Brief

米文S2是一款嵌入式人工智能计算机，能够为各类终端设备赋予人工智能的能力，降低终端智能的开发门槛。米文S2搭载了移动处理器——NVIDIA Jetson TX2，并提供主流人工智能算法模型的加速SDK，是最适合边缘计算的高性能平台。

MiiVii S2 is a fully-featured embedded platform for AI computing. It provides both high processing capabilities and high energy efficiency. MiiVii S2 brings artificial intelligence to terminal devices. MiiVii S2 carries one of the most powerful mobile computing module, NVIDIA Jetson TX2. In addition, a variety of algorithms are provided on S2 platform, especially in the field of computer vision.



特性 Features

- 通过CE认证，稳定可靠

CE Certified

- 双千兆网口

Dual Gigabit Ethernet port

- 主动散热，-20°C-60°C工作温度

Active cooling system, -20°C-60°C Operating temperature

产品规格 Specifications

处理器模组 Processor

	Specification
Processor	NVIDIA Jetson TX2
AI Performance	Up to 1.3 TFLOPS (FP16)
CPU	Dual-Core NVIDIA Denver 2 64-Bit CPUQuad-Core ARM® Cortex®-A57 MPCore
GPU	256-core NVIDIA Pascal™ GPU architecture with 256 NVIDIA CUDA cores
Memory	8GB 128-bit LPDDR4 Memory1866 MHz - 59.7 GB/s
Storage	32GB eMMC 5.1
Video Encode	1x 4Kp60 3x 4Kp30 4x 1080p60 8x 1080p30 (H.265) 1x 4Kp60 3x 4Kp30 7x 1080p60 14x 1080p30 (H.264)
Video Decode	2x 4Kp60 4x 4Kp30 7x 1080p60 14x 1080p30 (H.265 & H.264)

接口 I/O

	Interface	Quantity	Note
Function KEY	Switch Key	1	Control Boot Mode
	Reset Key	1	
Network/Camera	Ethernet	2	Gigabit Ethernet port RJ45
Video output	HDMI	1	HDMI 2.0 TYPE A 5V 1A
USB	USB	3	2×USB 3.0 TYPE A 5V, 1A 1×micro USB 5V, 0.5A
I/O	UART	3	1xTTL 3.3V 1xRS485 1xDebug 3.3V
	CAN	3	With CAN chip terminal resistor 120
	GPIO	2	IN 0-12V OUT 3.3V

供电 Power Supply

Power Supply	Spec
Input Type	DC

Input Voltage	12V
Typical consumption	15W

结构 Mechanical

Mechanical	Spec
Dimensions (W×H×D)	100mm×56mm×62mm
Weight	350g

环境 Environmental

Environmental	Spec
Operating Temperature	-20℃-60℃, 0.2~0.3m/s air flow ¹
Storage Temperature	-25℃-80℃
Storage Humidity	10%-90% non-condensing

认证 Certification

Certification	Status
CE	Passed
CCC, FCC, RoHS, SRRC	Processing

[1] According to GB/T 2423-2008 60℃以上运行时，运行频率降低 Working frequency is subject to change after temperature reaches 60℃

产品外观 Appearance

正视图 Front view	侧视图 Side view
	
俯视图 Top view	后视图 rear view



设备尺寸 Dimension

S2主体尺寸如图: S2 Dimensions as below:



