



OmniWise Sirius Active AI Box ON 4GB

Overview

Compact AI Power for Essential Edge Applications

Sirius AI Box ON 4GB module is designed to bring AI processing to the most compact and power-efficient edge devices. With a focus on delivering essential AI capabilities, this module is perfect for applications like entry-level robotics, basic smart cameras, and IoT devices that require a balance between performance and energy efficiency. The 4GB of memory ensures smooth operation for foundational AI tasks, making it an ideal choice for developers looking to integrate AI into smaller, cost-sensitive projects without compromising on quality.

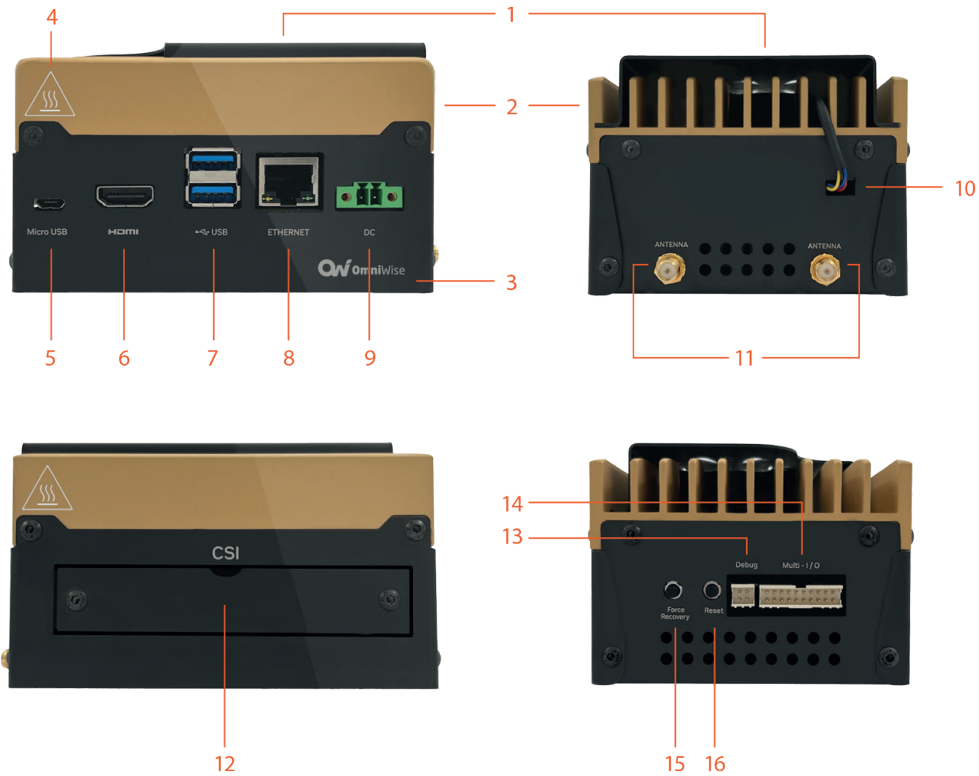
- 2x USB 3.0 Ports (Type-A)
- 1x USB OTG (Micro)
- 1x 10/100/1000 Base-T RJ45
- 1x HDMI 2.0
- 1x 3.3V UART, 1x I2C bus, 2x SPI bus, 4x GPIO
- Wide input voltage range from 9V to 36V DC
- Operating Temperature -25°C ~ +85°C



SPECIFICATIONS

Jetson Module	Jetson Orin Nano 4GB	AI Performance	20 TOPs
GPU	512-core NVIDIA Ampere architecture GPU with 16 Tensor Cores	CPU	6-core Arm® Cortex®-A78AE v8.2 64-bit CPU
Memory	4GB 64-bit LPDDR5 34 GB/s	Dimensions	112mm(L) x 90mm(W) x 67mm(H)
MISC / IO Connector	1x 3.3V UART, 1x I2C bus 2x SPI bus, 4x GPIO	USB	3x USB 3.2 Gen2 (10 Gbps) 3x USB 2.0
DL Accelerator		Power Configuration	7W - 10W
Display Output	1x HDMI 2.0	Camera Inputs	2x MIPI CSI-2 15 Pin
Networking	1x 10/100/1000 Base-T RJ45	Wireless	1x M.2 E-Key - 2230
Storage	1x NVME M.2 M-Key SSD - 2280	Input Power	9V-36V DC Input
Operating Temperature	-25°C to +85°C	Weight	882g (Including Antenna)
Video Encode	1080p30 supported by 1-2 CPU cores	Video Decode	1x 4K60 2x 4K30 5x 1080p60 11x 1080p30 (H.265) H.264, VP9, AV1

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Number	Name	Description
1	Fan	Active Cooling Airflow
2	Heatsink	Active Heatsink
3	Case	112mm(L) x 90mm(W) x 67mm(H) - 882g (Including Antenna)
4	Operating Temperature	-25°C to +85°C
5	Micro USB Port	USB 2.0 Micro-B
6	HDMI Port	HDMI (3840 x 2160 at 60Hz)
7	USB Port	2x USB 3.0 Ports (Type-A)
8	ETHERNET Port	GbE RJ-45
9	DC Port	Voltage Range 9V - 36V
10	Fan Connector	Fan Connector
11	Antenna Port	Antenna Port
12	CSI Port	2 Lane MIPI CSI-2, 15 pin FPC 1mm Pitch Connector
13	Debug Connector	1x UART for Debug
14	Multi - I / O Connector	1x 3.3V UART, 1x I2C bus, 2x SPI bus, 4x GPIO
15	Force Recovery Button	Button for Recovery Mode
16	Reset Button	System Reset Button