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Pulsar Active AI Box 32GB



Overview

High-Performance AI for Advanced Applications

Pulsar Active AI Box 32 GB module offers a powerful platform for developers looking to deploy advanced AI solutions that require substantial processing power. Ideal for applications like robotics, healthcare imaging, and complex industrial automation, this module delivers exceptional AI performance with ample memory to handle demanding workloads. Whether you're running sophisticated neural networks or processing multiple high-resolution video streams, Pulsar Active AI Box 32 GB provides the performance and flexibility needed to accelerate your AI-driven innovations while maintaining energy efficiency.

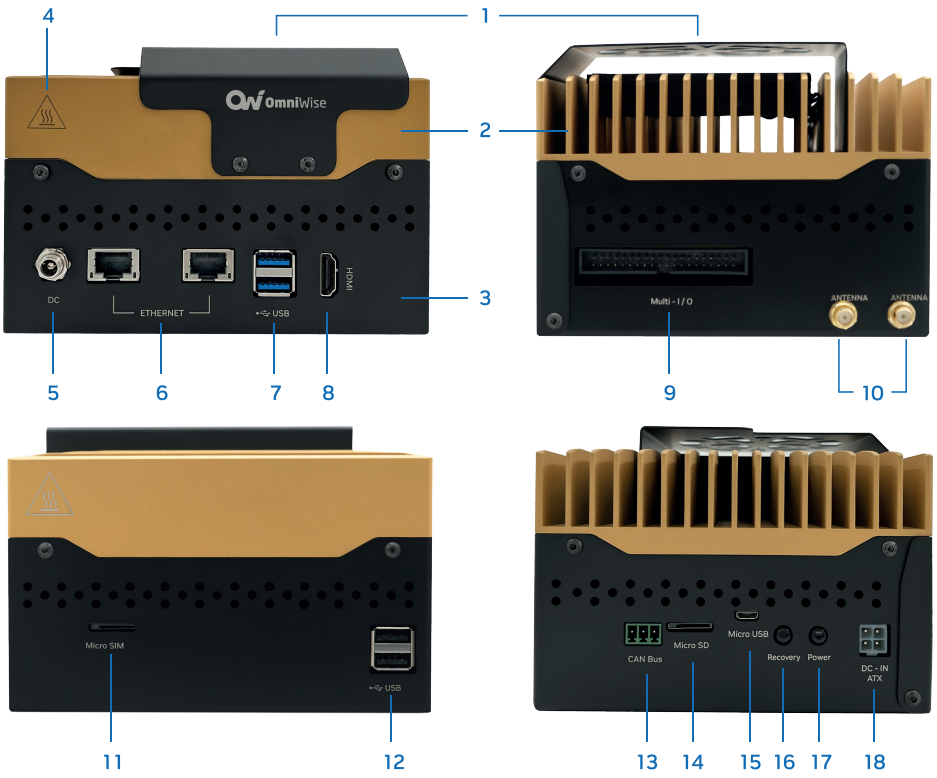
- Support for NVIDIA Jetson AGX Orin and AGX Orin Industrial Module
- 2x USB 2.0 Type-A - 2x USB 3.2 Type-A
- 1x USB 2.0 Micro-B for recovery
- 1x GbE RJ-45 - 1x 10G RJ-45
- 1x HDMI 2.0 3840x2160 at 60Hz
- 1x UART, 1x SPI, 1x CAN, 2x I2C, 1x I2S, 5x GPIOs
- Active Heatsink
- Operating Temperature -25°C ~ +85°C
- Wide input voltage range from 9V to 36V DC
- 1x CAN bus with transceiver
- 1x Micro SIM socket

SPECIFICATIONS

Jetson Module	Jetson AGX Orin (32GB, 64GB or Industrial)	**AI Performance**	200 TOPS (INT8)
GPU	NVIDIA Ampere architecture with 1792 NVIDIA CUDA® cores and 56 tensor cores	**CPU**	8-core Arm Cortex A78AE v8.2 64-bit CPU 2MB L2 + 4MB L3
Memory	32GB 256-bit LPDDR5 204.8GB/s	**Dimensions**	150 mm(L) x 137,5 mm(W) x 102,5 mm(H)
MISC / IO Connector	1x Micro SIM socket, 1x CAN bus with transceiver 40-pin (1x UART, 1x SPI, 1x CAN, 2x I2C, 1x I2S, 5x GPIOs)	**USB**	1x USB 2.0 Micro-B for recovery 2x USB 2.0 Type-A 2x USB 3.2 Type-A
DL Accelerator	2x NVDLA v2.0	**Power Configuration**	15W - 40W
Display Output	1x HDMI output	**Wireless**	1x M.2 E-Key
Networking	1x GbE RJ-45 - 1x 10G RJ-45	**Input Power**	12V-54V DC Input
Operating Temperature	-25°C to +85°C	**Weight**	2080 g (Including Antenna)
Video Encode	1x 4K60 | 3x 4K30 | 6x 1080p60 12x 1080p30 (H.265) H.264, AV1	**Video Decode**	1x 8K30 | 2x 4K60 | 4x 4K30 | 9x 1080p60 18x 1080p30 (H.265) H.264, VP9, AV1
Storage	1x micro-SD card slot 1x M.2 M Key SSD (or AVerMedia capture card: CN311-H, CN312SW, CN312MW		

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Number	Name	Description
1	Fan	Active Cooling Airflow
2	Heatsink	Active Heatsink
3	Case	150mm(L) x 137,5mm(W) x 102,5mm(H) - 2080 g (Including Antenna)
4	Operating Temperature	-25°C to +85°C
5	DC Port	Voltage Range 12V - 54V
6	ETHERNET Port	1x 1 GbE RJ-45 ,1x 10 GbE RJ-45
7	USB Port	2x USB 3.0 Ports (Type-A)
8	HDMI Port	HDMI 2.0 (3840 x 2160 at 60Hz)
9	Multi - I / O Connector	40-pin (1x UART, 1x SPI, 1x CAN, 2x I2C, 1x I2S, 5x GPIOs)
10	Antenna Port	Antenna Port
11	Micro SIM	Micro SIM
12	USB Port	2x USB 2.0 Ports (Type-A)
13	CAN Bus	1x CAN Bus with Transceiver
14	Micro SD	Micro SD
15	Micro USB Port	USB 2.0 Micro-B
16	Recovery Button	Button for Recovery Mode
17	Power Button	Button for Power
18	DC - IN ATX	4-Pin 9V - 54V