

OmniWise ANQA Active AI Box 64GB (with PoE LAN x4)



Overview

The NVIDIA Jetson AGX Orin™ series, provide a giant leap forward for Generative AI, Robotics and Edge AI. With Jetson AGX Orin modules, users can deploy large and complex models to solve problems such as natural language understanding, 3D perception and multi-sensor fusion. The NVIDIA Jetson AGX Orin™ series provides server class performance, delivering up to 275 TOPS of AI performance for powering AI-powered robots and other autonomous machines.

Support for NVIDIA Jetson AGX Orin and AGX Orin Industrial Module

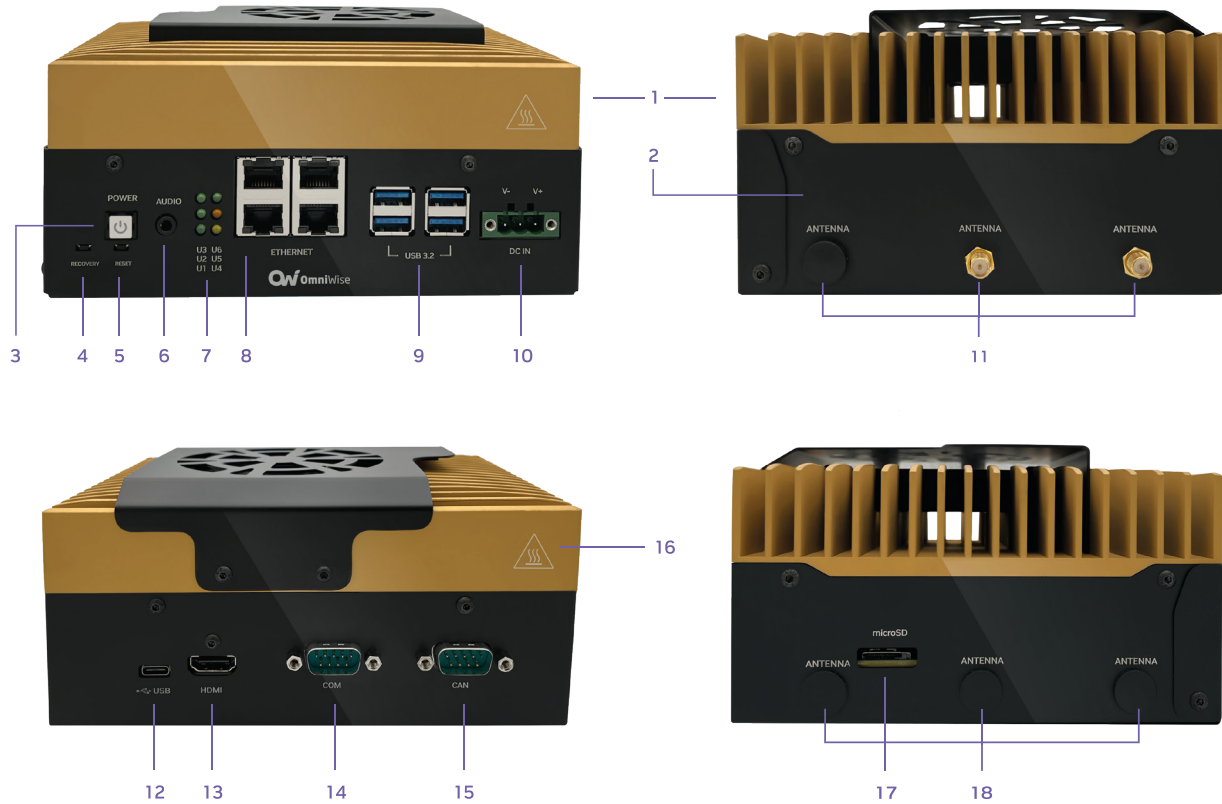
- 4x USB 3.2 Gen2 Type-A
- 1x USB 3.2 Gen2 Type-C (OTG)
- 4x 10/100/1000Mbps Ethernet (PoE support, IEEE 802.3af/at)
- 1x HDMI 3840x2160 at 60Hz
- Active Heatsink
- Operating Temperature -20°C ~ +70°C
- CAN Bus 1x 2.0b, isolated (DB9)
- 1x MicroSD Slot

SPECIFICATIONS

Jetson Module	Jetson AGX Orin	DL Accelerator	2x NVDLA v2.0
AI Performance	275 TOPS (INT8)	Operating Temperature	-20°C to 70°C at 50W
GPU	NVIDIA Ampere architecture with 2048 NVIDIA CUDA® cores and 64 tensor cores	CAN Bus	1x 2.0b, isolated (DB9)
CPU	12-core Arm Cortex-A78AE v8.2 64-bit CPU 3MB L2 + 6MB L3	I/O Connector	2x D-sub 26-pin connector (GPIO, I2C, SPI)
Memory	64GB 256-bit LPDDR5 204.8GB/s	Audio	Mic-in (Mono), Line-out (Stereo)
USB	4x USB 3.2 Gen2 Type-A 1x USB 3.2 Gen2 Type-C (OTG)	Serial Port	1x COM RS-232/RS-422 RS-485 (DB9)
Ethernet	4x 10/100/1000Mbps Ethernet (PoE support, IEEE 802.3af/at) 10GbE Support 10G/5G/2.5G /1000M/100M/10M LAN speed	M.2	1x M.2 M key 2242 and 2280 PCIe Gen4 1x M.2 B key 3042 and 3052 for 5G/LTE M.2 E key 2230 for Wifi
Display Output	1x HDMI (Max. resolution 3840x2160 @ 60Hz)	SD Card Slot	1x MicroSD Slot
Video Encode	2x 4K60 4x 4K30 8x 1080p60 16x 1080p30 (H.265) H.264, AV1	Operating Humidity	~95% @40°C (non-condensing, optional with fanless solution)
Video Decode	1x 8K30 3x 4K60 7x 4K30 11x 1080p60 22x 1080p30 (H.265) H.264, VP9, AV1	DC Input	24V

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Number	Name	Description
1	Heatsink	Active Heatsink
2	Case	213mm(W) x 150mm(L) x 91mm(H) - 2324g (Including Antenna) 180mm(W) x 150mm(L) x 91mm(H)
3	Power Button	Button for Power
4	Force Recovery Button	Button for Recovery Mode
5	Reset Button	Reset Button
6	Audio	For Mic In and Stereo Out
7	U1 - U6	User Defined LED's
8	ETHERNET Port	4x 10/100/1000Mbps Ethernets PoE Support
9	USB Port	4x USB 3.2 type A
10	DC In	Voltage 24V
11	Antenna Port	Antenna Port
12	USB OTG	Type C
13	HDMI Port	HDMI (3840 x 2160 at 60Hz)
14	COM	RS-232/RS-422/RS-485
15	CAN	2.0b, isolated
16	Warning	Temperature Warning Hot Surface
17	MicroSD	Sd Card
18	Antenna Port	Antenna Port