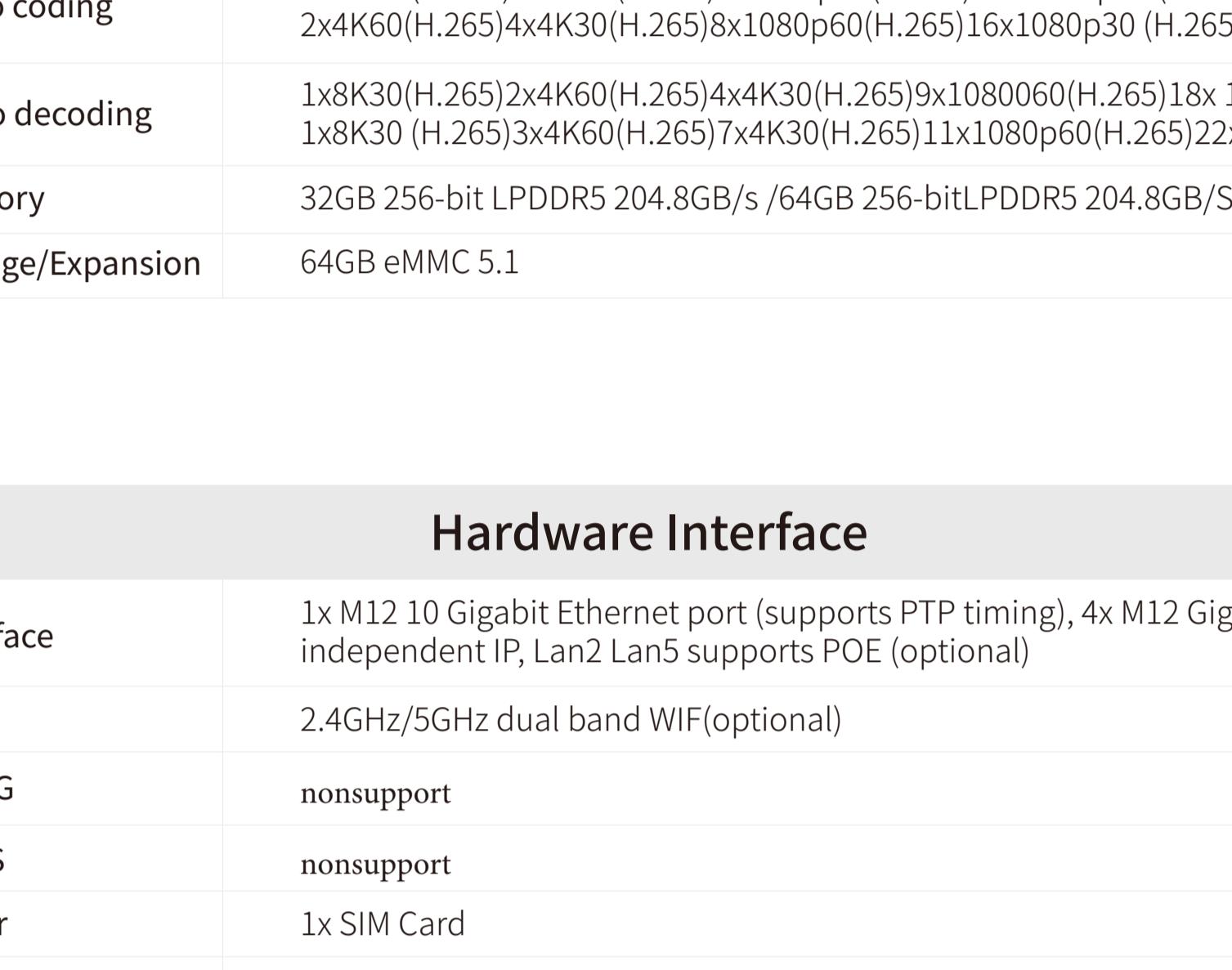


# Jetson AGX Orin Series T930 AI Edge Computer

The T930 is an AI edge - computing device developed based on the NVIDIA Jetson AGX Orin embedded GPU module. It has a computing power of 200/275TOPS, rich interfaces, and supports commonly - used sensors on autonomous vehicles. It can meet the high - computing - power demand areas such as industrial vision and autonomous driving.



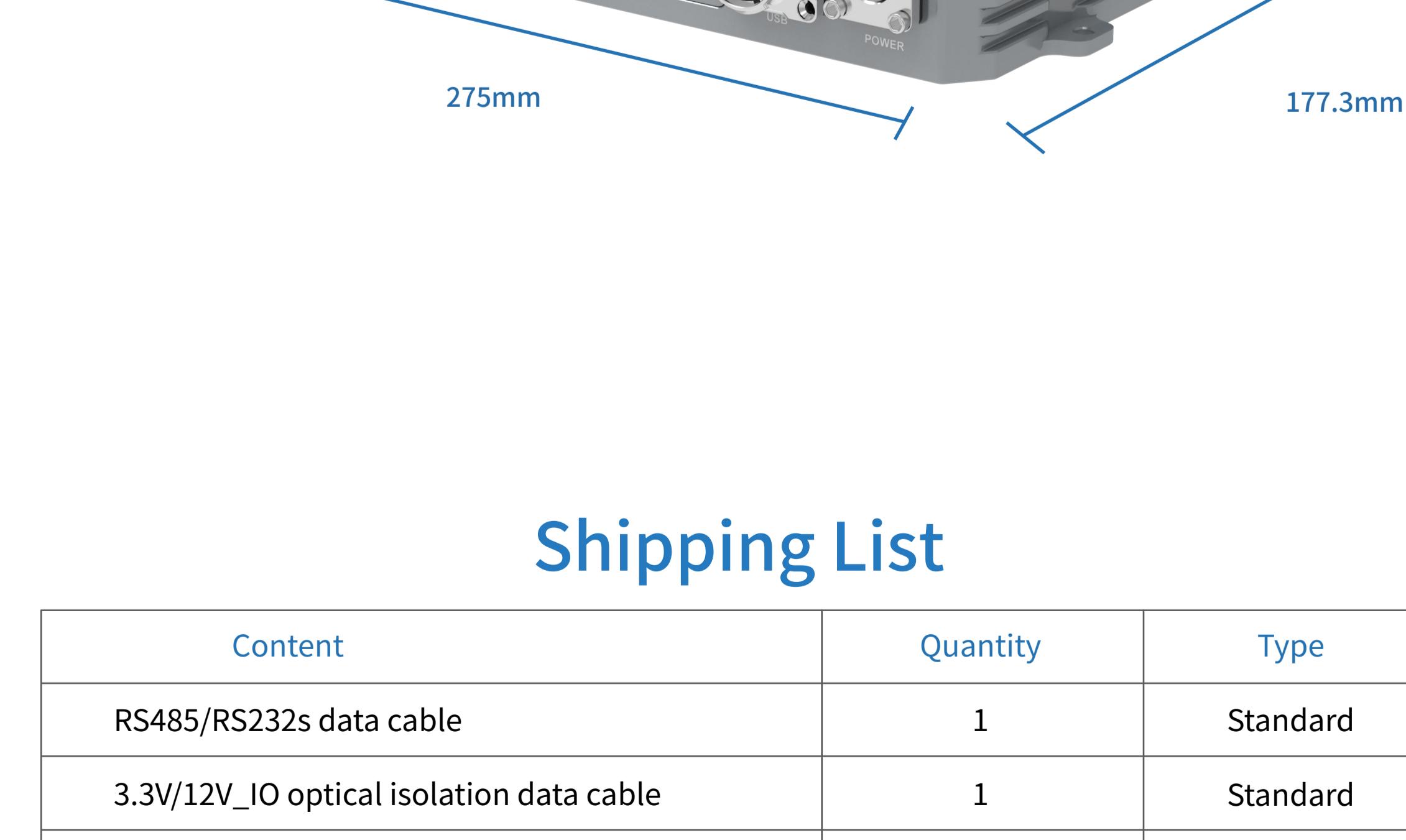
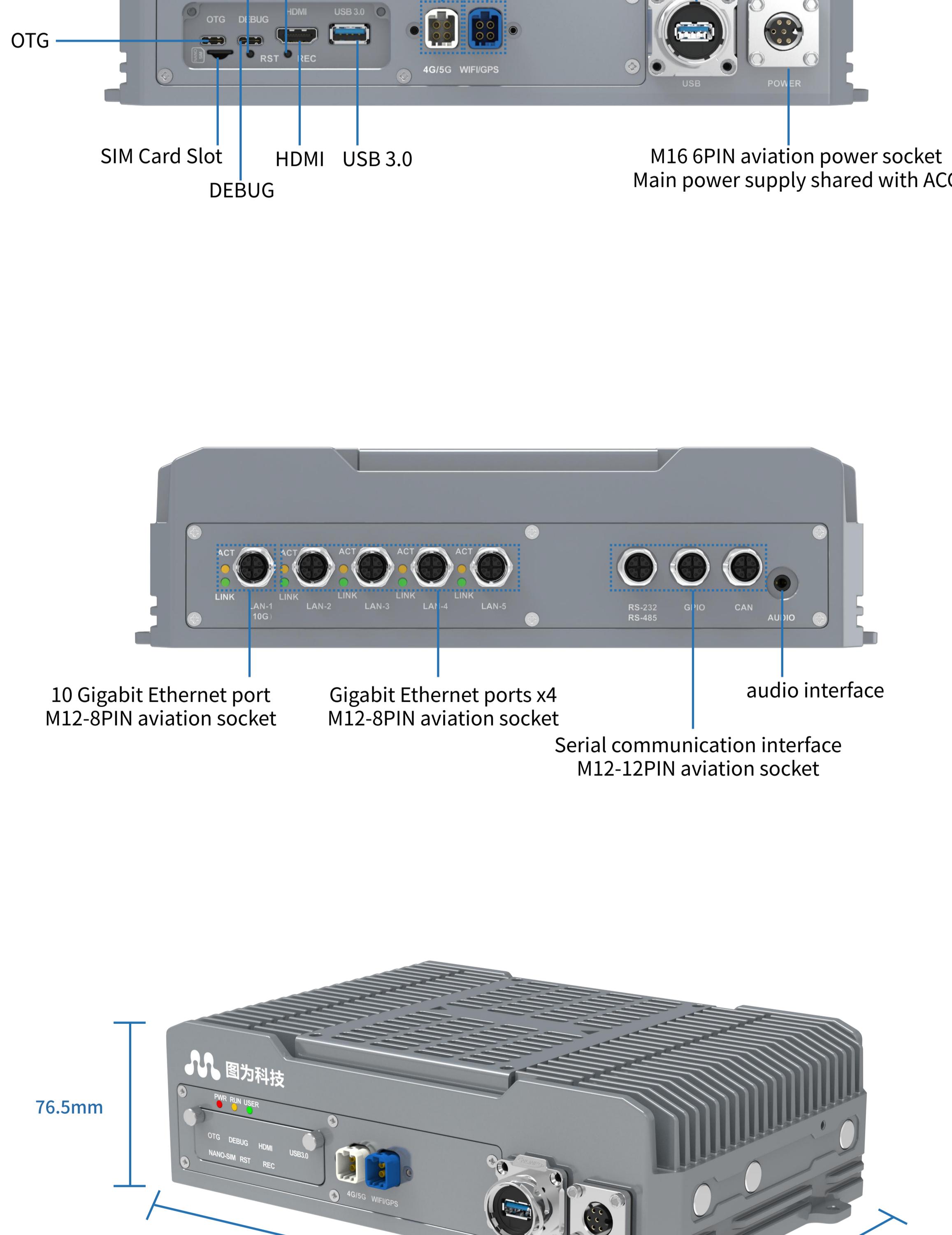
## Technical Parameters

System	AI Platform	Jetson AGX Orin
	AI computing power	200 TOPS/275 TOPS
	GPU	1792-core NVIDIA Ampere architecture GPU with 56 Tensor Cores 2048-core NVIDIA Ampere architecture GPU with 64 Tensor Cores
	CPU	8-core Arm® Cortex®-A78AE v8.2 64-bit CPU 2MB L2 + 4MB L3/ 12-core Arm® Cortex®-A78AE v8.2 64-bit CPU 3MB L2 + 6MB L3
	video coding	1x4K60 (H.265)3x4K30(H.265)6x1080p60(H.265)12x 1080p30 (H.265) 2x4K60(H.265)4x4K30(H.265)8x1080p60(H.265)16x1080p30 (H.265)
	Video decoding	1x8K30(H.265)2x4K60(H.265)4x4K30(H.265)9x1080p60(H.265)18x 1080D30 (H.265) 1x8K30 (H.265)3x4K60(H.265)7x4K30(H.265)11x1080p60(H.265)22x1080p30(H.265)
	Memory	32GB 256-bit LPDDR5 204.8GB/s /64GB 256-bitLPDDR5 204.8GB/s
	Storage/Expansion	64GB eMMC 5.1

## Hardware Interface

Ethernet	Interface	1x M12 10 Gigabit Ethernet port (supports PTP timing), 4x M12 Gigabit Ethernet port, independent IP, Lan2 Lan5 supports POE (optional)
	WiFi	2.4GHz/5GHz dual band WiFi(optional)
Wireless network	4G/5G	nonsupport
	GNSS	nonsupport
Multimedia	Other	1x SIM Card
	Display	1x HDMI
I/O	Audio	1x AUDIO OUT(3.5mm port)
	USB	2x USB3.0 Type-A, 1x Type-C OTG,1x Type-C Debug
Port	Serial Port	1x RS485(Software can be switched to 2x RS232), 2x RS232
	CAN	2x CAN, 2x SPI-CAN
Other	GPIO	2x GPIO + 2x GPO(3.3V@1mA) with isolation (12V@200mA)
	M.2 KEY E	WIFI
Other	M.2 KEY M	1x2280 PCIE SSD
	RTC	1x RTC
Other	Synchronous system	Support PTP, PPS input/output, PWM output (optional)
	GMSL Camera Interface	/
Other	Power input	Wide input 10-36v, Support ACC
	Power interface	M16-6PIN navigational aid interface
Physical parameters	Buttons/Indicator lights	Recovery/Reset two buttons, three indicator lights
	Specifications/Dimensions	275mm x 177.3mm x 76.5mm
Work Environment	Operating temperature	-20°C~60°C(Standard)/-40°C~70°C(Optional)
	Operating humidity	5%-95% non-condensing
	Cooling method	Fan cooling

## Interface Display



## Shipping List

Content	Quantity	Type
RS485/RS232s data cable	1	Standard
3.3V/12V-IO optical isolation data cable	1	Standard
Isolated CAN data cable	1	Standard
M12 Zhengcheng network cable	2	Standard
Power adapter (19V-4.74A)	1	Standard
Power cable	1	Standard
TYPE-C data cable	1	Standard
DC 5.5*2.5MM power cable one-to-two	1	Standard
M16 6PIN external power adapter cable_1 meter	1	Standard
Fakra WiFi/GPS antenna	1	Optional
Fakra 4G/5G antenna	1	Optional

#### FCC Warning

This device complies with part 15 of the FCC rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

#### Radiation Exposure Statement

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator and your body.