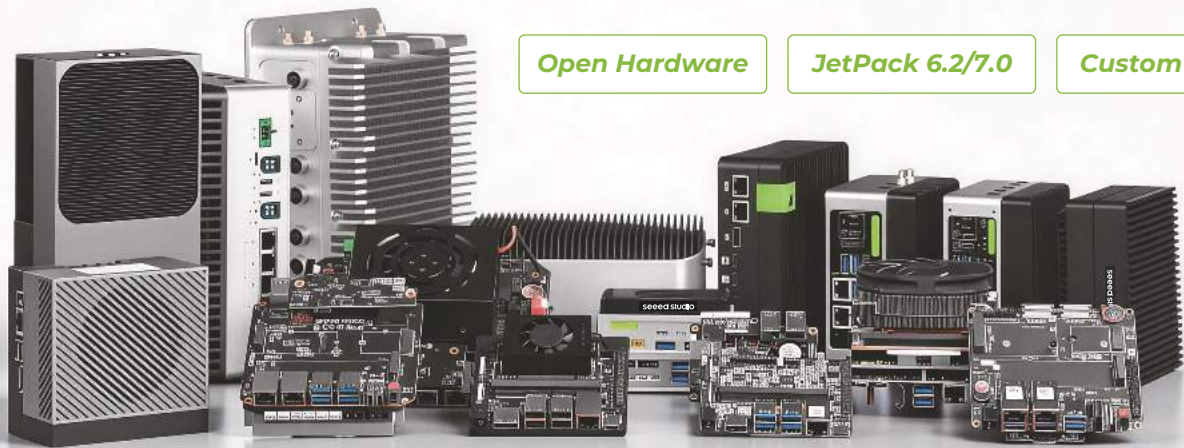


New Release - reComputer Jetson AGX Series

The Unified AI Brain for Next-Gen Robotics & Embodied AI

Here we provide the newest Jetson product lineup in 2026, containing compatible carrier boards and full system powered by NVIDIA Jetson AGX Orin & Thor modules, designed to accelerate development and deployment across autonomous robots, industrial automation, and more efficient solutions across diverse scenarios.



Jetson AGX Orin



reComputer Mini J501: The Compact & Agile Brain

An ultra compact, production ready carrier board, ideal for space-constrained deployments.

- An optimized 110x110mm layout with essential I/Os: CAN, RS-485, and 10GbE.
- Ready to deploy with pre-installed JetPack6.2.
- Supports up to 8x GMSL2 cameras for advanced depth vision in compact robots.

Jetson AGX Orin

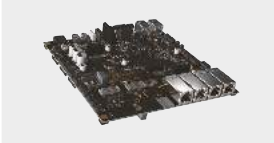


reComputer Robotics J501: The Industrial-Grade Powerhouse

A rugged, out of the box edge AI computer for humanoid multimodal perception & embodied autonomy.

- Rich native industrial I/Os: 4x CAN-FD, RS-232/422/485, and DI/DO for direct robotic control.
- Enables high-bandwidth data transmission with 5x GbE(1x 10GbE included), up to 8x GMSL2 cameras supported.
- Offers extensive connectivity with dual storage slots and hybrid communication(Wi-Fi/BT/5G/GPS).

Jetson AGX Thor



reComputer J601: The Ultimate Platform for Humanoid Robots

A highly integrated carrier board unleash the 2070 FP4 TFLOPS AGX Thor power for humanoid multi-perception & autonomous logistics.

- Delivers unprecedented AI compute for complex multimodal perception and real time control.
- A humanoid-robot-optimized I/O suite with 4x CAN-FD, 8x GMSL expanded, 4x DI/DO, and 4x 10GbE networking.
- Develop faster with a full ecosystem in a compact form.

Mobile Robot Platforms
(AGV/AMR)

Humanoid Robots

Robotic Arms

Product Name		reComputer mini J501 Board		reComputer Robotics J501 Device		reComputer J601 Board
Jetson Supported		AGX Orin 32GB	AGX Orin 64GB	AGX Orin 32GB	AGX Orin 64GB	AGX Thor
AI Performance		200 TOPS	275 TOPS	200 TOPS	275 TOPS	2070 TFLOPS
Whole Unit	Dimensions (W x D x H)	110mm x 110mm		210mm x 180mm x 87mm		168mm x 155mm
	Weight	90g		2.95kg		—
Carrier Board	Power	1 x XT30 Connector (19-48V DC)		1 x Terminal Block 2-pin (19-48V DC)		1 x XT30 Connector (19-48V DC)
	Storage	1x M.2 Key M slot		2x M.2 Key M slot (1x 128G SSD included)		1x M.2 Key M slot (1x 128G SSD included)
	Networking	1x M.2 Key E slot for WiFi/Bluetooth module		1x M.2 Key E slot for WiFi/Bluetooth module 1x M.2 Key B slot for 4G/5G module		1x M.2 Key E 1x M.2 Key B
	USB	2x USB 3.2 Type-A (10Gbps) 1x USB 3.0 Type-C (Recovery) 1x USB 2.0 Type-C (Debug)		3x USB 3.0 Type-A (5Gbps) 1x USB 3.0 Type-C (Recovery) 1x USB 2.0 Type-C (Debug)		4x USB 3.0 Type-A (10Gbps) 1x USB 2.0 Type-C (Debug) 1x USB 3.0 Type-C (Flashing)
	RJ45	1x 1G Ethernet 1x 10G Ethernet		4x 1G Ethernet 1x 10G Ethernet		4x 10G Ethernet
	CAN	2x CAN (CAN-FD supported)		4x CAN (CAN-FD supported)		4x CAN (CAN-FD supported)
	Serial	1x RS-485		2x RS-232/422/485		1x RS-232/422/485; 1x RS-485;
	I2S	1x I2S		1x I2S		1x I2S
	DI/DO	4x DI 4x DO (DO can be configured as UART)		4x DI 4x DO		4xGPI 4xGPO
	Display	1x HDMI 2.1		1x HDMI 2.1		1x HDMI
	Fan	1x 4 pin Fan Connector (12V PWM)		1x 4-pin Fan Connector (12V PWM)		1x 4-pin Fan Connector (12V PWM)
	Button	1x Reset Button 1x Recovery Button		1x Reset Button 1x Recovery Button		1x Reset Button 1x Recovery Button
	RTC	1x RTC 2-pin		1x RTC 2-pin 1x RTC socket		1x RTC 2-pin
Expansion Board (Optional)	GMSL	8x GMSL2		8x GMSL2		8x GMSL2

Compatible Accessories

LiDAR



12M Range 2D Laser Scanner
SKU 114992561



40M Range ToF Laser Scanner
SKU 101090041



12M Range 2.5D Multidimensional Laser Scanner
SKU 101090061

Camera Module



Orbbec Gemini 335LG 3D Camera
SKU 100010971



SLAMTEC Aurora S 3D Spatial Camera
SKU 100035718



Sensing GMSL2-3MP
SKU 101090101

Joint Actuator



High Torque 10/16 N.m Peak Torque Planetary Actuator
SKU 114090072



MyActuator 10/34 N.m Peak Torque Planetary Actuator
SKU E2025081401



RobStride Dynamics 5.5/6/14/17/36 N.m Peak Torque QDD Actuator
SKU 100010715



DAMIAO 4310/4340P 27 N.m Peak Torque Actuator
SKU 316000001



FeeTech Servo Motor Series
SKU 100042780



FashionStar Servo Motor Series
SKU 114090079

