seeed studio

INDUSTRIAL PRODUCT DATASHEET

SO-ARM100 Low-Cost AI Arm Servo Motor Kit for LeRobot (Without 3D Printed Parts)

Build your own imitation learning robotic arm with the SO-ARM100! Designed for LeRobot and Hugging Face projects, these kits include servo motors, adapter board, and cables.

SKU	UPDATED	PRICE
114993608	2026-11-11 06:38:45	$200.00(Excl. VAT)



*3D Printed Body is not provided

Overview



Build your own imitation learning robotic arm with the SO-ARM100! Designed for LeRobot and Hugging Face projects, these kits include servo motors, adapter board, and cables. Open-source, low-cost, and DIY-friendly—perfect for robotics enthusiasts and developers. Start prototyping today with our comprehensive resources!

Key Features

01 **Open-source and low-cost**

It is an open-source, low-cost robotic arm solution from TheRobotStudio.

02 **Integration with LeRobot**

Designed for integration with LeRobot platform which offers PyTorch models, datasets and tools for reinforcement learning and imitation learning for real-world robotics applications (including data collection, simulation, training and deployment).

03 **Abundant learning resources**

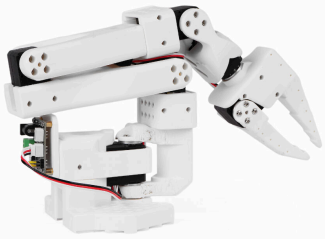
Provides comprehensive open-source learning resources like assembly and calibration guides, and tutorials for testing, data collection, training and deployment to assist users in quickly getting started and developing robotic applications.

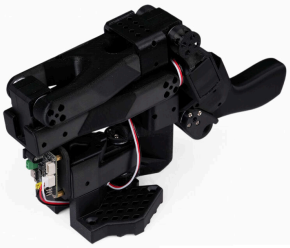
04 **Compatible with Nvidia**

Deploy this arm kit with reComputer J4012 Orin NX 16 GB.

Product Gallery




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* If purchased before March 2025, the servo bus adaptor is difference.
See details in the documentations.


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Applications

- **Imitation learning and Reinforcement learning:** The LeRobot framework is compatible with the SO-ARM10X robotic arm. It provides complete data collection, training, and deployment for teaching the robotic arm, and also has a comprehensive simulation platform. On the Nvidia Jetson edge device, it's easy and quick to train a customized robotic arm to complete grasping and placing tasks. For detailed tutorials, please refer to: LeRobot - NVIDIA Jetson AI Lab

Resource Links

- https://www.seeedstudio.com/SO-ARM100-Low-Cost-AI-Arm-Kit.html
- STS3215 Servo Motor Datasheet
- Finedtune 3D printed parts files
- Original SO-ARM100 3D printed parts
- Servo Adaptor Board for Seeed Studio XIAO Datasheet（Purchase after March 03 2025）
- Serial Bus Servo Drive Board DataSheet（Purchase before March 03 2025）
- reComputer J301x Datasheet
- reComputer J401X Datasheet

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