seeed studio

INDUSTRIAL PRODUCT DATASHEET

Fashionstar Starai 7 DoF Robot Arm Viola Violin, compatible with Hugging Face LeRobot

Fashionstar Star Arm Viola Violinisanaffordablepre-assembledservo-based7DOFroboticarmkitthatisperfectforend-to-endlearning.Itcanbetrainedtocompletereal-...

SKU	UPDATED	PRICE
114090081	2026-11-11 09:34:02	$839.00(Excl. VAT)



Overview



Fashionstar Star Arm Viola Violinisanaffordablepre-assembledservo-based7DOFroboticarmkitthatisperfectforend-to-endlearning.Itcanbetrainedtocompletereal-worldgrapsingtasks,witha300gworkingpayloadandgreatpositionalaccuracy.Itincludesoneleaderarmfordemonstration,andonefollowerarm,bothpre-assembled.ItcanbeusedunderHuggingfaceLeRobotframeworkandROS2.

Key Features

01 **Pre-assembledProvidesready-to-use 7 DOF robotarmkitforend-to-endlearning.Oneleaderarmforhumandemonstration,andonefollowerarmforlearning.**

02 **Real-world taskcapableCouldbeusedforreal-worldgraspingtakswith300gworkingpayloadand470mmreach**

03 **Self-sustainingsuspensionArmscouldbeheldatanypositionafterpressingthebutton,enablingeasierdatacollection**

04 **LeRobot framework compatibleProvidesSDKunderHuggingfaceLerobotframeworkforeasierdatacollectionand training**

05 **Supported ROS2, Moveit2 and Isaac Sim It supports ROS2 for publishing and subscribing to robotic arm data topics and controlling the robotic arm, and also supports MoveIt2 for inverse kinematics calculation, as well as simulation in Isaac Sim.**

06 **Open-Source SDK**

Supports Python and C++ SDK Development

07 **Button Hover Simulates gravity compensation, allowing the robotic arm to hover at any position via a button.**

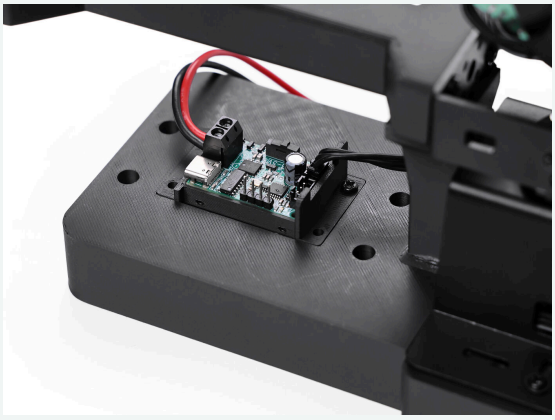
Product Gallery









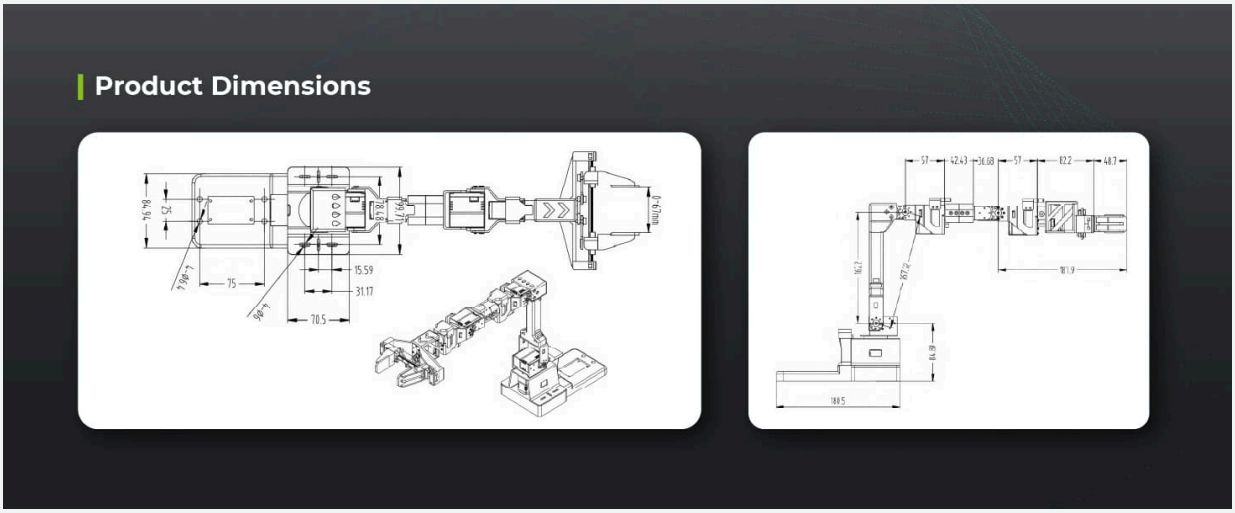








Hardware Overview



Applications

- **Imitation learning and Reinforcement learning:** The LeRobot framework is compatible with the Fashionstarstar 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/Fashionstar-Star-Arm-Viola-Violin-p-6497.html
- Arm Datasheet
- ServoRA8-U25H-MDatasheet
- ServoRX8-U50H-MDatasheet
- ServoBoardDatasheet
- Getting started with StarAI Robot Arm with LeRobot
- lerobot-starai github
- STEP
- URDF
- StarAI Robot Arm moveit2

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