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INDUSTRIAL PRODUCT DATASHEET

Fashionstar StarAi 7 DoF Robot Leader Arm Violin, compatible with Hugging Face LeRobot

Fashionstar StarAi Arm Violin is an affordable pre-assembled servo-based 7 DOF roboticleader arm that is perfect for end-to-end learning.

SKU	UPDATED	PRICE
100038899	2026-11-11 09:29:56	$419.00(Excl. VAT)



Overview



Fashionstar StarAi Arm Violin is an affordable pre-assembled servo-based 7 DOF roboticleader arm that is perfect for end-to-end learning. The demonstration training of the leader arm and the follow arm canaccomplish real-world grapsing tasks with great positional accuracy. It is a pre-assembled leader arm that can be usedfordemonstrations.It can be used under Huggingface LeRobot framework and ROS2.

Key Features

01 **Pre-assembledProvidesready-to-use 7 DOF robotleaderarmforhumandemonstrations,whichistheperfectend-to-endlearning.**

02 **Real-world taskcapableCouldbeusedtotele-operatevariousmotor-basedarms.**

03 **Self-sustainingsuspensionArmcouldbeheldatanypositionafterpressingthebutton,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.

Product Gallery





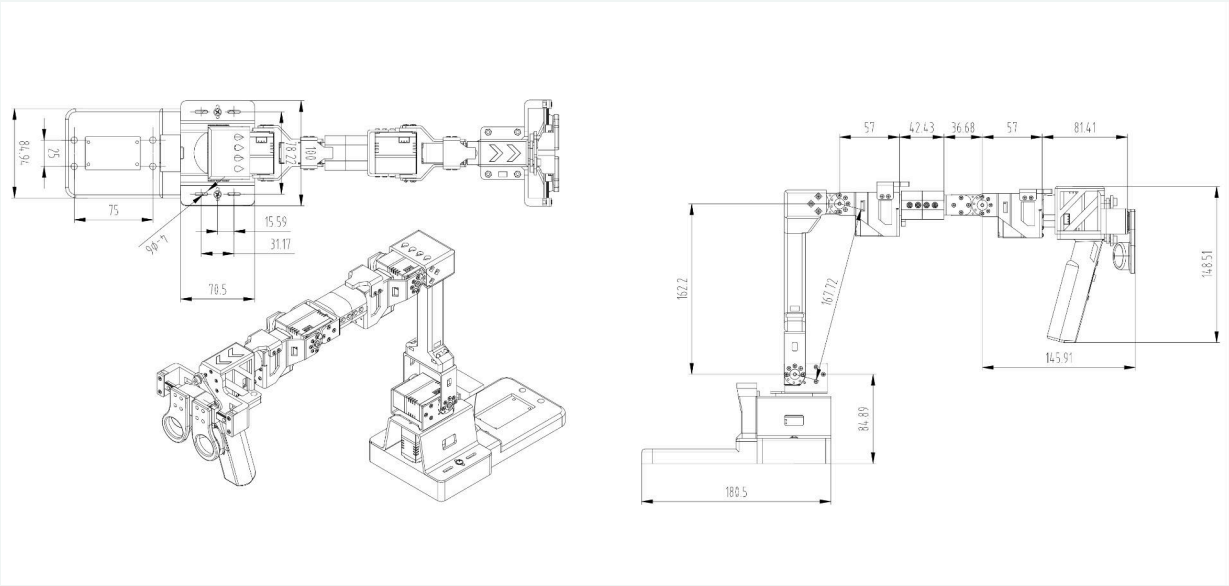








Hardware Overview



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/StarAi-Arm-Violin-p-6571.html
- Arm Datasheet
- ServoRA8-U25H-MDatasheet
- ServoRX8-U50H-MDatasheet
- ServoBoardDatasheet
- Getting started with StarAI Robot Arm with LeRobot
- lerobot-starai github
- URDF
- StarAI Robot Arm moveit2

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