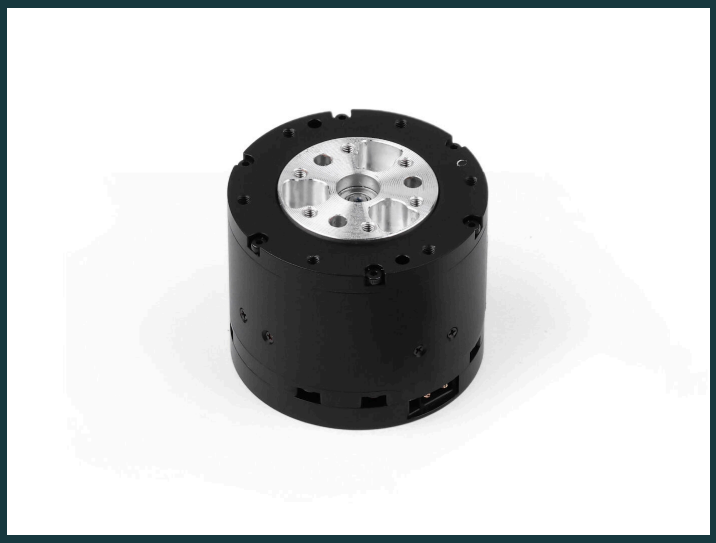
seeed studio

INDUSTRIAL PRODUCT DATASHEET

Damiao 4310 Actuator Motor, CAN, OpenArm, ROS2, Python, C++

The Damiao 43-series CAN bus joint motors have been widely adopted in numerous open-source robotic arm projects such as OpenArm and I2RT.

SKU	UPDATED	PRICE
100033983	2026-11-11 09:24:10	$120.00(Excl. VAT)



Overview



The Damiao 43-series CAN bus joint motors have been widely adopted in numerous open-source robotic arm projects such as OpenArm and I2RT. Featuring dual encoders and an integrated motor-driver design, they boast a compact structure and high integration. Comprehensive technical resources are available, including C++, Python, and ROS 1/2 support packages.

Key Features

01 **Dual encoders**

The output shaft provides single-turn absolute position feedback, eliminating the risk of absolute position loss after power failure.

02 **Integrated motor-driver design**

Boasts a compact structure and high integration.

03 **Supports visual debugging via the host computer, as well as firmware upgrades.**

04 **Can feed back motor information (such as speed, position, torque, and temperature) via the CAN bus.**

05 **Equipped with dual-temperature protection**

06 **Supports trapezoidal acceleration/deceleration in position mode**

Product Gallery

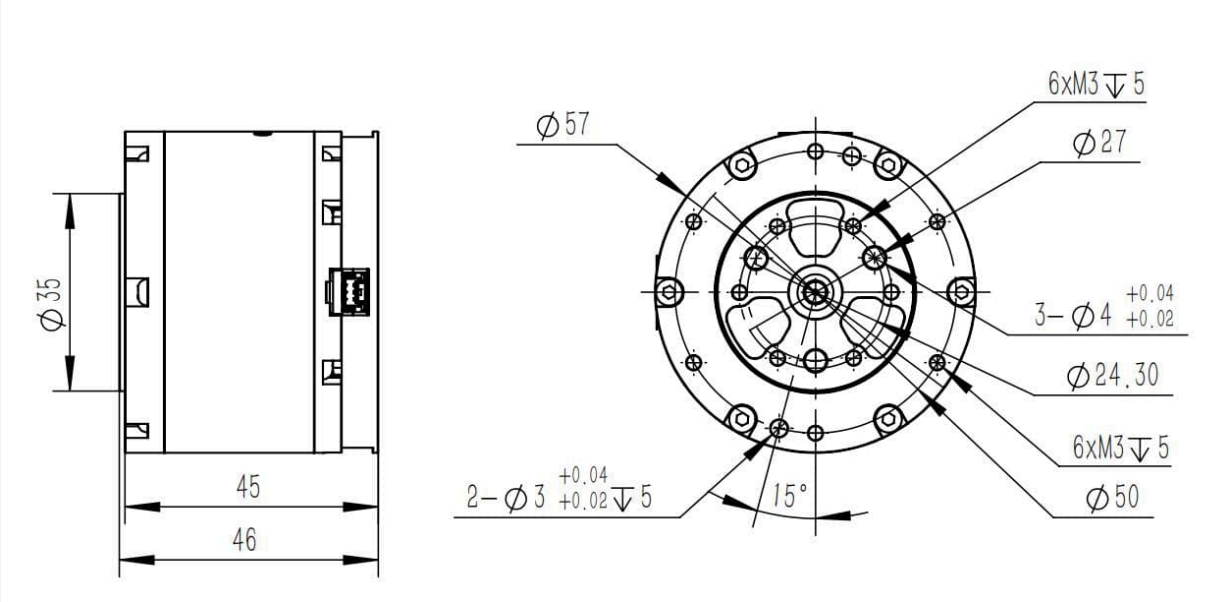


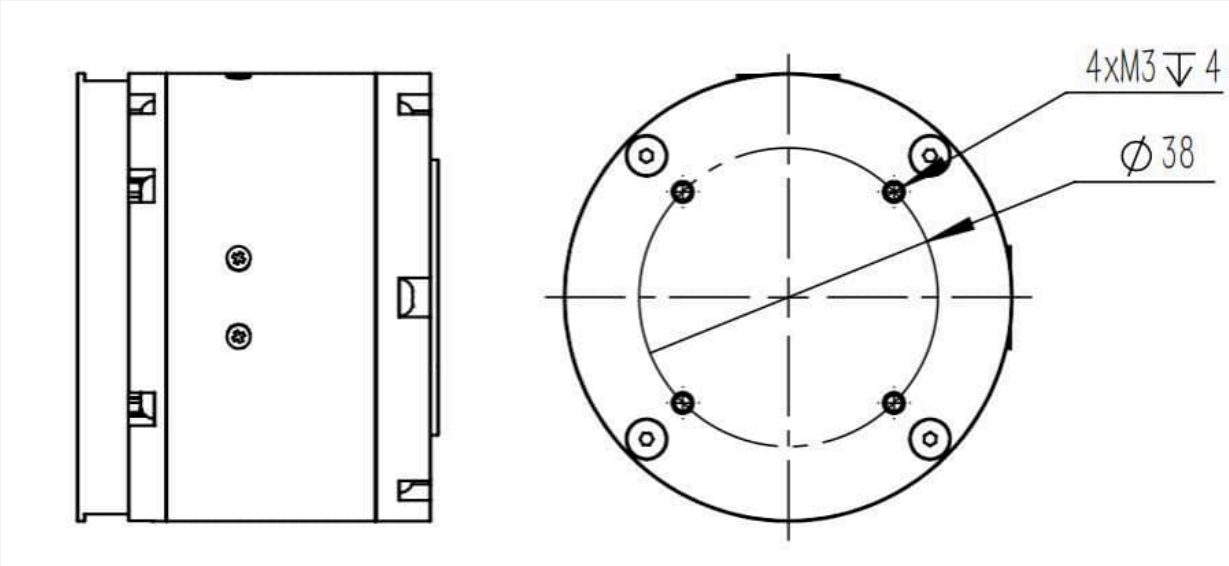


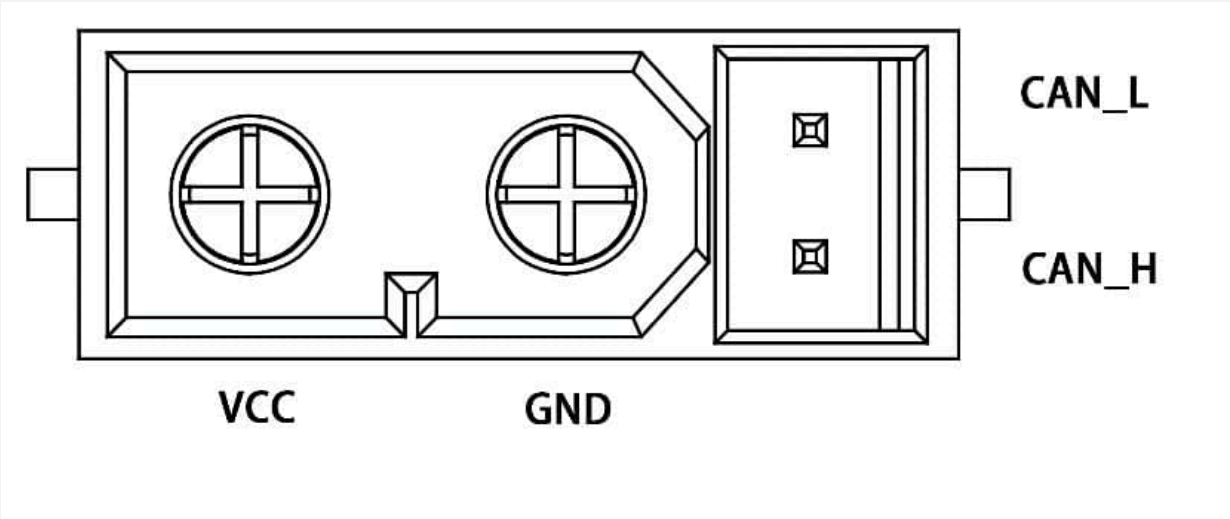




Hardware Overview







Applications

- **OpenArm:** OpenArm is an open-source 7DOF humanoid arm designed for physical AI research and deployment in contact-rich environments. All hardware and software are completely open-source and ready for you to build, hack, and deploy!
- **I2RT:** Ready to deploy and built on a fully open-source codebase, giving you complete transparency and customization. Designed for rapid integration, community-driven improvements, and scalable real-world applications.

Resource Links

- https://www.seeedstudio.com/Damiao-4310-Actuator-Motor-p-6823.html
- 2D
- 3D

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