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INDUSTRIAL PRODUCT DATASHEET

# RobStride 00 QDD 14N.m integrated actuator module

RobStride 00 is a highly-integrated QDD actuator module that includes a motor, driver circuitry, planetary reducer, and dual magnetic encoders.

| SKU | UPDATED | PRICE |
| --- | --- | --- |
| 100083284 | 2026-11-18 05:54:47 | $125.00(Excl. VAT) |



# Overview



RobStride 00 is a highly-integrated QDD actuator module that includes a motor, driver circuitry, planetary reducer, and dual magnetic encoders. The module has a 10:1 gear ratio, with 14 N.m peak torque and weighs only 310g. The module is perfect for robotics applications such as quadruped robots, humanoids, and robot arms. It can be controlled through a 1Mbps CAN interface

# Key Features

01 **Highly-integrated**

Includes motor, driver circuitry, planetary reducer, and dual magnetic encoders in a lightweight 310g design

02 **Simplified Wiring**

Features a "One-in-One-out" wiring design, enabling easy daisy-chain connections for complex robot joints

03 **Dual Encoder**

Features 14-bit absolute magnetic encoders for high-precision position control

04 **Wide Voltage Compatibility**

Supports 24-60V input range (Rated 48V), optimized for modern battery-powered robots

05 **High Torque Density Delivers 14 N.m peak torque with a 10**

1 reduction ratio using machined steel gears

# Product Gallery



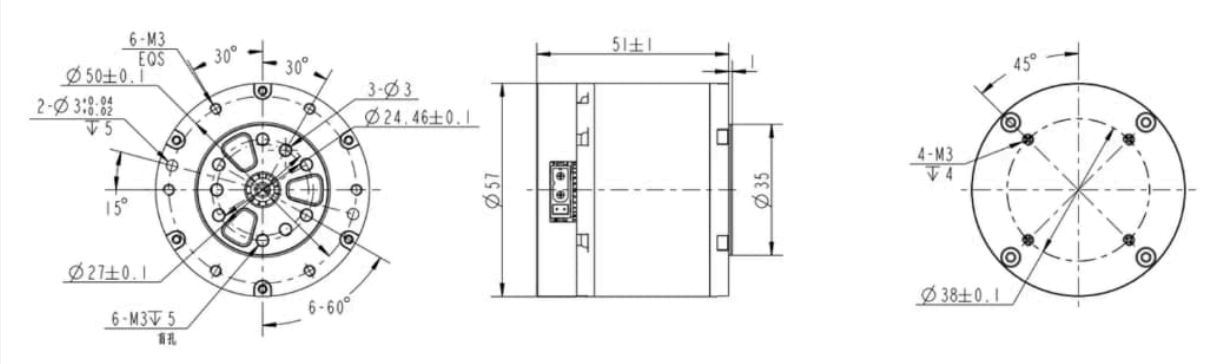


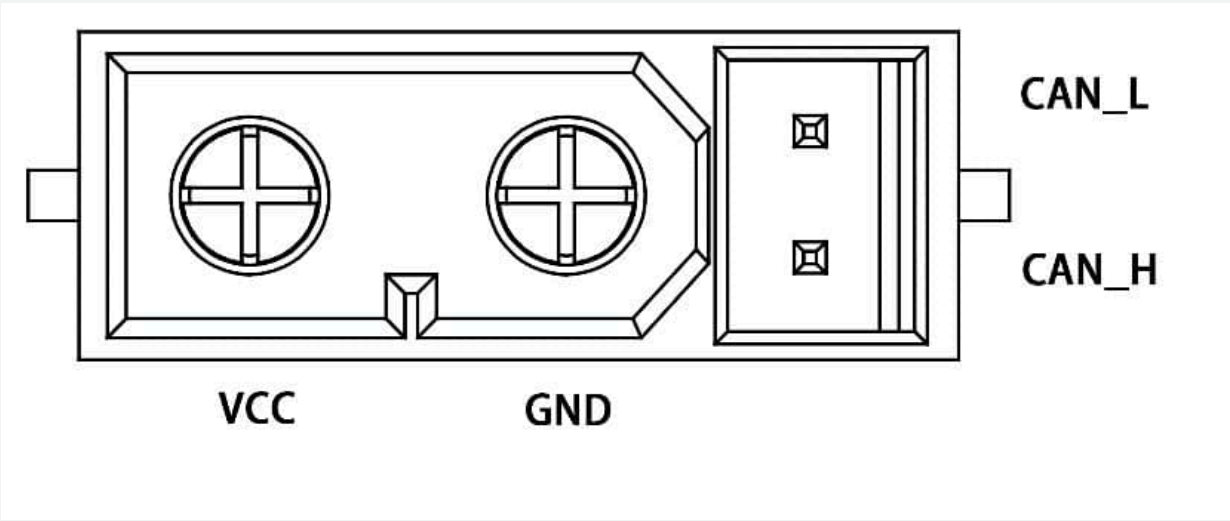







# Hardware Overview




# Resource Links

- https://www.seeedstudio.com/Robostride-00-Actuator-p-6664.html
- Datasheet
- User Manual
- 3D model
- wiki

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