

INDUSTRIAL PRODUCT DATASHEET

Damiao 43 Motor USB2CAN Driver Board, Compact, High-Compatibility Control Core for Robotic Arms

Compact USB2CAN driver board for Damiao DM43 joint motors with direct USB-to-CAN communication and simplified setup, debugging, and calibration for open-source robotic arms.

SKU

100011896

UPDATED

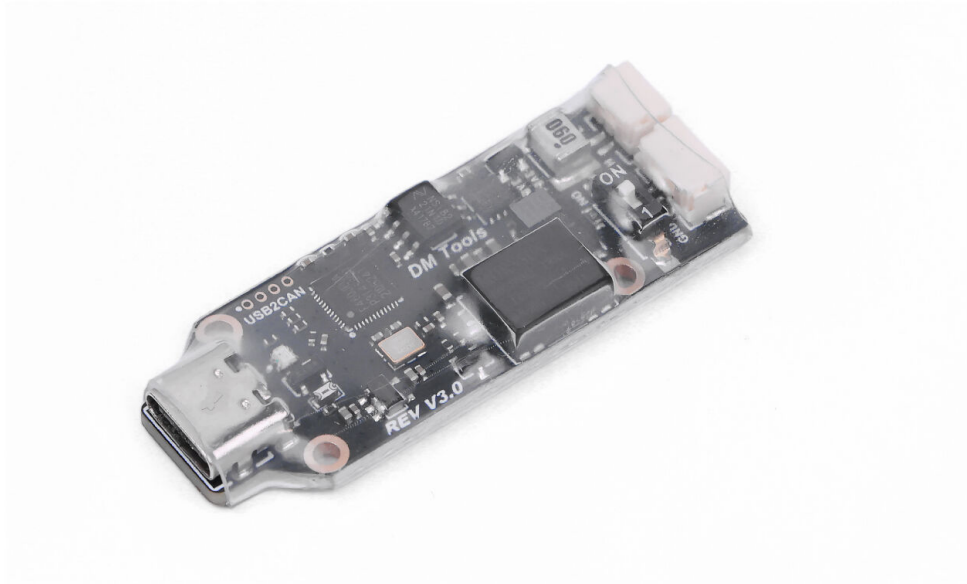
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PRICE

\$15.00(Excl. VAT)



Overview



The Damiao 43 Motor USB2CAN Driver Board is a compact, high-compatibility control core for Damiao DM43 joint motors, offering seamless plug-and-play integration and direct USB-to-CAN communication. It streamlines motor setup, initialization, real-time debugging, parameter tuning, and motion calibration, and is suited for open-source robotic arm platforms such as OpenArm and I2RT.

Key Features

Tips: Due to the terms of the commercial cooperation agreement, sales are currently **not available** to China. Orders placed by customers from these regions **cannot be fulfilled or shipped**.

- DM43-Series Exclusive Compatibility

Tailored specifically for Damiao DM43 joint motors—seamless plug-and-play integration with no additional configuration.

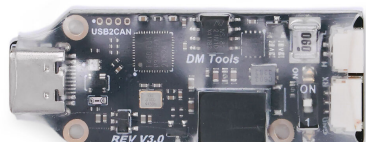
- USB-CAN Bridging Core

Enables direct USB-to-CAN communication, simplifying motor setup, initialization, and real-time debugging for beginners and developers alike.

- User-Friendly Entry Tool

Ideal for getting started with DM43 motors: streamlines basic operation tests, parameter tuning, and motion calibration without complex hardware setups.

Product Gallery



Specification

Parameter	Specification
Baud Rate	1000~5 Kbps
Buffer	64 KB
Supported Mode	MIT (ideal for precise motion)
Interface	USB-UART (plug-and-play)
Dimensions	39×18 mm (ultra-compact)
CAN Bus Speed	Supports 5 kbps ~ 1 Mbps

Applications

- **OpenArm:** <https://openarm.dev/> 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:** <https://github.com/i2rt-robotics/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.

Part List

USB2CAN Driver Board	x1
XT30(2+2)	x1

Compliance & Logistics

HSCODE	8471800000
USHSCODE	8517690000
UPC	
EUHSCODE	8517180000
COO	CHINA

Resource Links

- <https://www.seeedstudio.com/DM-CAN-USB-Driver-Borad-p-6706.html>
- https://files.seeedstudio.com/wiki/robotics/Actuator/damiao/4310_2D.PDF
- https://files.seeedstudio.com/wiki/robotics/Actuator/damiao/4310_3D.stp

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