

INDUSTRIAL PRODUCT DATASHEET

# HighTorque USB-CANFD Debugger (Type-C)

HighTorque USB-CANFD Debugger (Type-C): a tiny, plug-and-play CAN/CANFD debug tool with real-time PID tuning and power pass-through connectivity.

SKU

100010153

UPDATED

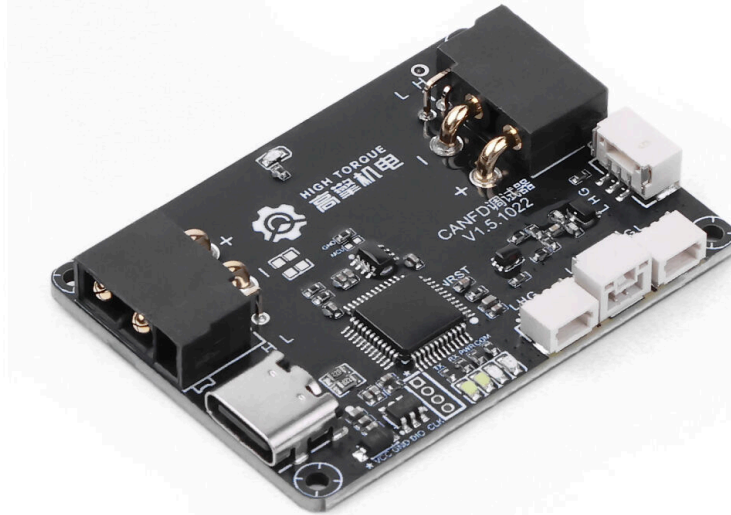
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PRICE

\$21.00(Excl. VAT)



# Overview



The HighTorque USB-CANFD Debugger (Type-C) provides plug-and-play CAN/CANFD bus debugging with auto-scanning motor identification and real-time waveform monitoring of position, velocity, torque, and temperature. Its compact 48mm x 34mm design and dual XT30 ports with power pass-through enable clean, direct motor driving and high-speed 5Mbps communication.

# Key Features

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## Tiny Footprint, Massive Bandwidth

Measuring just 48mm x 34mm, this board fits anywhere on your desk or inside your robot chassis, yet delivers a robust 5Mbps baud rate for zero-latency control

## Plug-and-Play Intelligence

Forget complex setups. Simply plug in via USB Type-C, and the "Motor Debugging Assistant" software automatically scans the bus, identifying every connected motor ID and model instantly

## Visualize Your Physics

See what your motor feels. Monitor real-time waveforms for Position, Velocity, Torque, and Temperature. Diagnose issues and tune PID loops with surgical precision.

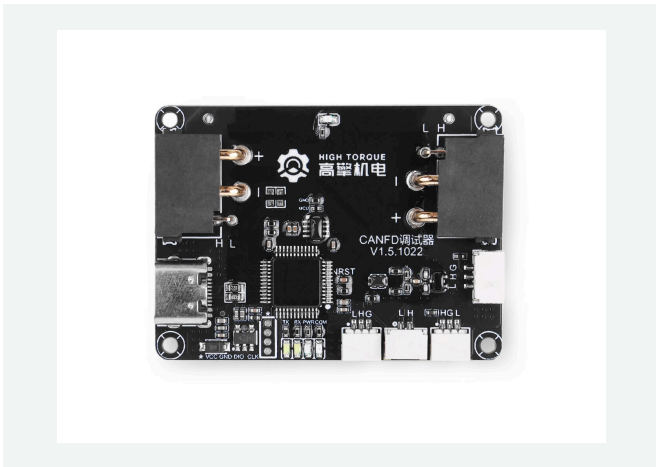
## Dual Protocol Mastery

Native support for both **CAN** and the advanced **CANFD** protocols ensures compatibility across the entire HighTorque actuator lineup

## Streamlined Connectivity

Dual XT30 (2+2) ports allow for power pass-through. Connect your power source to the board, and it drives the motor directly—keeping your setup clean and wire-free

# Product Gallery



## Specification

Parameter	Specification
Model	USB to CAN-FD Debugger (V1.5)
Dimensions	48.15mm *34.61mm
Input Voltage	5V (via USB)
OS Compatibility	Windows 10 / Windows 11
Protocols	CAN-FD, CAN
Baud Rate	Up to 5Mbps
Interfaces	1x USB Type-C (Data) 2x XT30(2+2) (Motor/Power) 1x GHI.25 3P, 1x SH1.0 3P (GPIO/Exp)

## Compliance & Logistics

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HSCODE	8503001000
USHSCODE	8501106080
UPC	
EUHSCODE	8471707000
COO	CHINA

## Resource Links

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- <https://www.seeedstudio.com/HighTorque-USB-to-CANFD-Board-p-6703.html>

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