

TDK Robokit Now Available at CDI

Description

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TDK RoboKit1 Now Available at CDI



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TDK RoboKit combines sensors, processors and actuators on a single board making it an ideal robotics platform for qu prototyping and ROS development.

RoboKit integrates key product offerings such as 6-axis IMU, industrial IMU modules, capacitive barometric pressure sensor, digital IÂ²S microphone, temp sensor, ultrasonic Time of Flight (ToF) sensors, magnetometer and motor control on a single PCB.

The open-sourced board supports ROS drivers and algorithms, making it an ideal platform for ROS hobbyists, educatio institutions, and a multitude of Robotics developers. The **RoboKit** platform also provides out of the box integrated softw solutions such as obstacle detection, floor type detection, cliff detection (not suitable for RVC application) and dynamic heading detection.

Part Numbers:

TDK_RoboKit1-DK	TDK_RoboKit1

Download RoboKit1 Product Brief

Robokit Key Features:

Hardware Features:

- Multiple ToF modules (connected via flex cable)
- Industrial IMU module (connected via flex cable)
- 6 axes IMU
- Digital IÂ²S Microphone
- Pressure Sensor
- Temperature Sensor
- Embedded Motor Controller
- AKM Magnetometer

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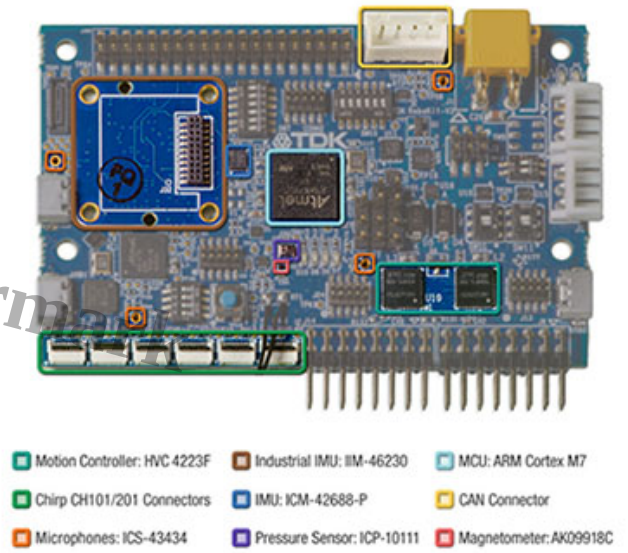

Software Features:

- Range finder
- Obstacle detection
- Floor type detection
- Cliff detection
- Robovac/Heading
- Motor control

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About TDK InvenSense

InvenSense, Inc, a TDK Group Company: InvenSense is part of the Sensor System Business Company within TDK an the industry leader in MEMS Motion, Audio, and Pressure Solutions for the consumer, industrial, automotive, and IoT ma segments. TDK provides a very robust portfolio of MEMS 3/6/7/9 axis motion sensors, accompanied by the highest performing MEMS audio microphones, and pressure sensors. TDK continues to push the boundaries of performance and quality; setting new standards of innovation across multiple industries.

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Category

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