



TDK Robokit Now Available at CDI

Description







TDK RoboKit1 Now Available at CDI





TDK RoboKit combines sensors, processors and actuators on a single board making it an ideal robotics platform for que 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:

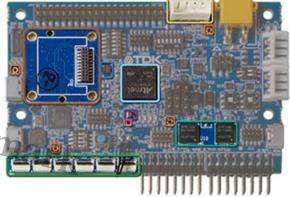
Hardware Features:

- Multiple ToF modules (connected via flex cable)
- Industrial IMU module (connected via flex cable)
- 6 axes IMU
- Digital IÂ2S Microphone



Software Features:

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



- Motion Controller: HVC 4223F Industrial IMU: IIM-46230

- Chirp CH101/201 Connectors IMU: ICM-42688-P
- CAN Connector
- Microphones: ICS-43434
- Pressure Sensor: ICP-10111 Magnetometer: AK09918C

Request a Quote

CDI works continuously with our vendor partners to connect our customers to products and solutions that accelerate the time to market. CDI will leverage its product knowledge, technical expertise, and evaluation tools to find the right solution your design, even if it means we need to recommend competitor's part.

For more information, or to learn how we can help drive your success, please visit www.cdiweb.com or email us at sales@cdiweb.com.

About TDK InvenSense

InvenSense, Inc, a TDK Group Company: InvenSense is part of the Sensor System Business Company within TDK ar 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.

About Component Distributors, Inc. (CDI)

Component Distributors, Inc. (CDI) is a value-added distributor of high-performance LED, Power, RF & Microwave, Wireless and Sensor component technologies. CDI distributes globally and provides local application support and custor service across the Americas. CDI delivers cutting edge power electronics by wrapping application support, development tools and design services around high-performance products from industry leading manufacturers.

Category

- 1. Ewave
- 2. Sensors and Wireless
- 3. TDK InvenSense

Date Created January 10, 2022 Author cdiwebadmin

