SmartMotion® Platform
by InvenSense®

◆TDK

DK-101xx: DK-10100, DK-10101, DK-10111, DK-10110
Development Kit for ICP-101xx High Accuracy, Low Power, Barometic Pressure and Temperature Sensor
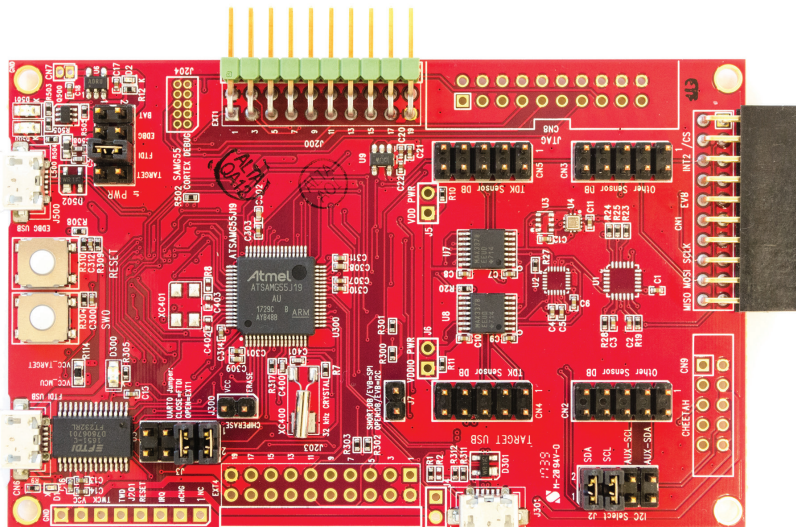
Overview

The DK-101xx is a comprehensive development platform for ICP-10101, ICP-10101, ICP-10111, and ICP-10110, a High Accuracy, Low Power, Waterproof* Barometric Pressure and Temperature Sensor IC.

The platform designed around Microchip G55 MCU can be used by developers for rapid evaluation and development of ICP-101xx based solutions. The DK-101xx includes an on-board Embedded Debugger so external tools are not required to program or debug the G55 MCU.

The development kit comes with necessary software including InvenSense MotionLink, a GUI based development tool and embedded Motion Drivers for ICP-101xx.

Embedded Motion Drivers (eMD) consists of a set of APIs to configure various aspects of the platform including ICP-101xx sensor parameters such as Raw Data, and Calibrated Data (Temp in C, Pressure in Pa).

MotionLink is a GUI based development tool included with the platform. It can be used to capture and visualize the sensor data from the motion sensor.

Key Features

- *ICP-101xx Pressure and Temperature Sensor*
- *Microchip G55 MCU with 512KB Flash*
- *On-board embedded debugger for programming and debugging*
- *USB connectors for host interface to*
- *Support software debug and sensor data logging*
- *Board power supply through USB*

Part Number	Development Kit
ICP-10100	*DK-10100*
ICP-10101	*DK-10101*
ICP-10110	*DK-10110*
ICP-101111	*DK-10111*

* DK-10100 and DK-10110 only

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