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With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

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## DK-10100

*Development Kit for ICP-10100 High Accuracy, Low Power, Barometric Pressure and Temperature Sensor*

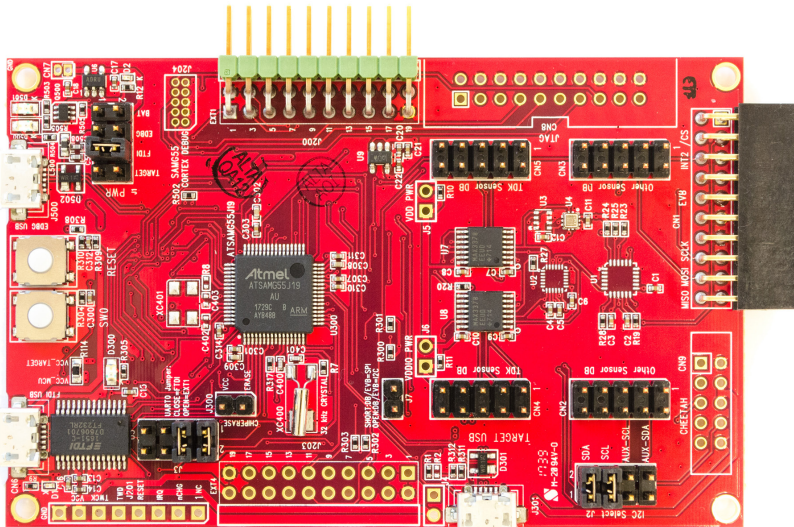
### Overview

The DK-10100 is a comprehensive development platform for ICP-10100, 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-10100 based solutions. The DK-10100 includes an on-board Embedded Debugger so external tools are not required to program or debug the G55 MCU.

### Key Features

- *ICM-10100 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*



The development kit comes with necessary software including InvenSense MotionLink, a GUI based development tool and embedded Motion Drivers for ICP-10100.

Embedded Motion Drivers (eMD) consists of a set of APIs to configure various aspects of the platform including ICP-10100 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.