MicroZed Industrial IoT Starter Kit

Listing details

Reference Number: RF168849

Common

Price: $ 299.00
Country: United States
Description:

Details

MicroZed Industrial IoT Starter Kit

AES-Z7MB-IIOT-SK-G

Manufacturer Part #: AES-Z7MB-IIOT-SK-G

Alternate Part #: AES-Z7MB-IIOT-SK-G

The Avnet MicroZed Industrial IoT Starter Kit supports designers' edge-to-cloud development of Internet-connected solutions and includes all the necessary building blocks for developing a production-ready, IoT-enabled, industrial processing system. The platform is based on Avnet's MicroZed system-on-module (SoM) with Zynq®-7000 All Programmable SoC from Xilinx and pluggable sensor solutions from Maxim Integrated and ST Microelectronics.

Key Features

The X-NUCLEO-IKS01A1 from ST Microelectronics is a motion MEMS and environmental sensor evaluation board system compatible with the Arduino UNO R3 connector layout. It is designed around four discrete sensor solutions from STMicroelectronics, which communicate to the MicroZed via an I2C interface. The sensors include:

- LSM6DS0: MEMS 3D accelerometer (±2/±4/±8 g) + 3D gyroscope (±245/±500/±2000 dps)
- LIS3MDL: MEMS 3D magnetometer (±4/ ±8/ ±12/ 16 gauss)

- LPS25HB*: MEMS pressure sensor, 260-1260 hPa absolute digital output barometer
- HTS221: capacitive digital relative humidity and temperature
- DIL 24-pin socket available for additional MEMS adapters and other sensors (UV index)

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