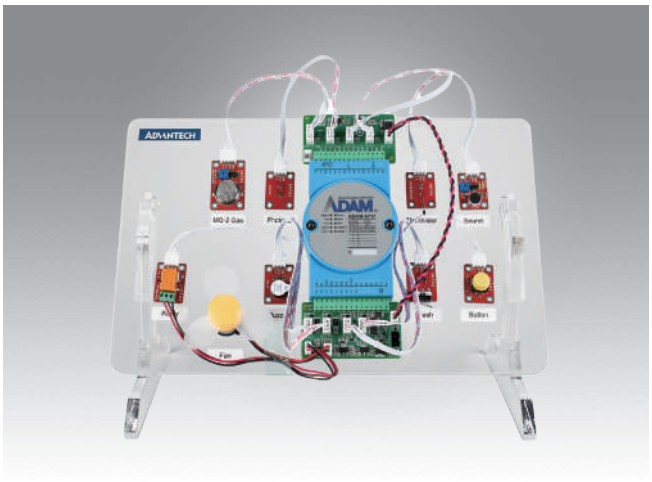
ADAM-6717SK Starter Kit

Intelligent I/O Gateway Starter Kit with 9 Types of Sensors



Features

- All-in-one I/O gateway connecting OT and IT, which can acquire data from sensors and directly upload it to cloud
- Built-in 9 sensors for diverse condition monitoring, including temperature, sound, gas and illumination, allowing for simulate of factory facility monitoring
- Low-code software ready with Node-RED graphic programming and ready-to-use examples that include data acquisition, data logger, data processing, data forwarding, event handling, and dashboard functions

Introduction

The ADAM-6717SK starter kit is an integrated sensor-to-cloud solution, providing a simple way to build up IoT condition monitoring for remote facilities.

Specifications

General

- **MCU** Cortex-A8 32-Bit 1GHz
- **Memory** DDR3L 512MB
- **Storage** NAND flash 512MB for system storage
  microSD Slot (Optional)
- **OS** RT Linux V3.12
- **Programming** Node-RED Linux C
- **Power input** 10 ~ 30 V_{DC}
- **Operation temperature** -40 ~ 70°C
- **Storage temperature** -40 ~ 85°C
- **Isolation** 2500 V_{DC}

Communication

- **LAN port** 2 x RJ-45 10/100 Mbps (2MAC ID)
- **Serial port** 2 x RS-485
- **USB port** 1 x USB Type-A 2.0,
  1 x USB Micro-B 2.0

Analog Input

- **Channels** 8 (differential)
- **Sampling Rate** 10 or 100 samples/ second (total)
- **Resolution** 16 bits
- **Input Range** 0 ~ 150mV, 0 ~ 500mV, 0 ~ 1V, 0 ~ 5V, 0 ~ 10V,
  ±150 mV, ±500 mV, ±1V, ±5 V, ±10 V, ±20 mA,
  0 ~ 20 mA, 4 ~ 20mA
- **Sensor** Sound, Thermistor, Photocell, Gas

Digital Output

- **Channels** 4
- **Output type** Sink 30 V_{DC}, 0.1A max. per channel
- **Sensor** Buzzer, Fan, Relay

Digital Input

- **Channels** 5
- **Dry contact** logic 0: Open
  logic 1: Close to ground
- **Wet contact** logic 0: 0 ~ 3 V_{DC}
  logic 1: 10 ~ 30 V_{DC}
- **Sensor** Button, Crash

Ordering information

- **ADAM-6717SK-A** Intelligent I/O Gateway Starter Kit with 9 Types of Sensors

All product specifications are subject to change without notice.
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