ARROW

Five Years Out

SENTIMATE

Product accelerator for IoT nodes in smart home applications and for smart things.

Based on TE AmbiMate sensor, Bluetooth 5, Zigbee, Thread and Z-Wave from Silicon Labs, its construction and market certifications, its embedded power path and battery or 5-30V input power makes SENTIMATE ideal for test and Proof of Concept in the field.

TE connectivity · SILICON LABS · Part of the Product Accelerator Program of · FAE TECHNOLOGY

SENTIMATE by Arrow and FAE Technology is based on TE AmbiMate and Silicon Labs Bluetooth 5, Zigbee, Thread and Z-Wave standards.

TECHNICAL FEATURES

TE's AmbiMate
Sensor module 1-2314291-2 (MS4 series) integrates Audio, CO_2, VOC, Humidity, Light, Motion PIR and Temperature.

Silicon Labs Wireless modules
MGM13P12F512GA: Mighty Gecko Module for Zigbee, Thread or multiprotocol connectivity with Bluetooth 5 LE built around the EFR32MG13 Mighty Gecko SoC incorporating 512kB FLASH and 64kB RAM available for users to create IoT applications
The onboard ZM5202 General Purpose Z-Wave Module combines a Z-Wave SD3502 SoC with a built-in microcontroller and Z-Wave RF transceiver, crystal, and passive RF components.

Power supply
Powered by 2xAA batteries or 5-30Vdc from an external connector with guaranteed continuity from the battery should external power be lost.
Sentimate integrates LTC4412HVIS6 Low Loss PowerPathTM and LTC3114-1 Synchronous Buck-Boost DC/DC Converter

Mechanics
RoHS compliant ABS 76,20mm x 53,34mm x 30,48mm
AA Battery Box housing UL94 HB.