

Arrow Electronics - ARIS Bluetooth Smart (BLE), Ethernet, (NFC), WiFi Development Board ARIS



Listing details

Reference Number: RF680271

Common

Price: Rs 31,110.19

Country: India

Description:

Product Details

ARIS Internet of Things Development Board

The ARIS board is a hardware and software Renesas Synergy platform, ready-to-use on developing Internet of Things (IoT) applications.

The system is built around a Renesas Synergy S7 Series high-performance microcontroller.

The accelerometer sensor and the gyroscope supply the position and movement information of the ARIS board via an SPI bus. The relative humidity and temperature sensor provide ambient data via the I²C-bus interface.

A strong focus was directed on the communication and connectivity of the device. The ARIS Board communicates with other devices and the Cloud through Ethernet 10/100, or a USB connection. Wireless connectivity is enabled with Wi-Fi, Bluetooth Low Energy (BLE 4.1/4.2), and Near Field Communication (NFC) protocols.

You can interact and access the GPIO pins, LEDs and push buttons. On the I²C-bus, there is a multitouch resistive touchscreen controller IC with proximity sensing.

The ARIS Board is an all purpose tool with Arduino hardware R3 compatible footprint and connections. Arduino extension shields can be used for implementing extra functionality hardware features.

Development process functions include the on-board J-Link debugger, support for crypto-bootloaders, and Over-the-Air (OTA) firmware updates.

Software development happens at the API layer. The developer can focus on their design with the many features available to them on the ARIS platform.

The Renesas Eclipse Embedded Studio, known as e² Studio is the implemented Integrated Developed Environment (IDE).

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5 years ago

