



IoT DEVELOPMENT BOARD MODEL v1.0

OVERVIEW

The Aries IoT v1.0 is a feature - rich hardware platform based on THEJAS32 SoC incorporating the VEGA ET1031 Microprocessor. This board is targeted for academic training and development of Internet of Things (IoT) applications.

SPECIFICATIONS

- SoC : THEJAS32
- Clock Speed : 100MHz
- Input Voltage : 7V – 12V
- I/O Voltage : 3.3V
- SRAM : 256KB
- Flash : 2MB
- Peripherals : 3xUART, 1xSPI, 2xI2C, 3xTimer
- Analog Input : 6 Channels
- Digital I/Os : 7xPWM, 28xGPIO (23xGPIO, 2xPB, 1xRGB LED)
- Dimension : 86mm x 59mm



APPLICATIONS

- Remote Sensors
- Smart Buildings
- Smart Farming
- Smart Wearable
- Industrial Networking
- Supply Chain Monitoring
- Inventory Management

SENSORS / INTERFACES

- a. Bluetooth v4.2 - WiFi 802.11b/g/n b. Digital Proximity, Ambient Light, RGB and Gesture Sensor
 c. 6 Axis Digital Accelerometer, Gyroscope Sensor d. Gas, Humidity, Pressure, Temperature Sensor
 e. Thermistor f. Potentiometer g. Piezoelectric Buzzer

*The First RISC-V VEGA SoC Indigenously Developed by C-DAC



Microprocessor Development Programme
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