



MICRO DEVELOPMENT BOARD

Model v1.0

OVERVIEW

The ARIES Micro v1.0 is a fully indigenous and a “Made in India” product to get started with basic microprocessor programming and embedded systems. This board is built upon a RISC-V ISA compliant THEJAS32 SoC (ET1031 VEGA Processor) with easy-to-use hardware and software. The VEGA SDK also provides full ecosystem with numerous examples and support documentation.

SPECIFICATIONS

- SoC : THEJAS32 *(32- bit RISC-V)
- Clock Speed : 100MHz
- Input Voltage : 5V – 6V
- I/O Voltage : 3.3V
- SRAM : 256KB
- Flash : 2MB
- Peripherals : 3xUART, 3xSPI, 2xI2C, 3xTimer
- Analog Input : 4 Channels
- Digital I/Os : 8xPWM, 25xGPIOs
- Dimension : 55mm X 30mm



APPLICATIONS

- Sensor fusion
- Smart Meter
- System supervisors
- Remote sensors
- Small IoT devices
- Wearable devices
- Motor drives
- Electronic Toys
- Electronic education devices
- Inverters
- Industrial networking
- Legacy 8/16-bit applications

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



Microprocessor Development Programme

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