



Features

Control Board: AVR

Based on AVR, users can learn the control of various kinds of I/O peripherals.

I/O Socket

3 sets of extendable I/O ports are located around the working area for easy signal connection.

Power Jack

With an independent power supply, users can freely increase/decrease peripheral modules.

DAC/ADC

2 additional independent DAC/ADCs are included for users to design more experimental circuits.

On Board Components

- 9-36VDC Power input – With terminal and socket connection
- AVR Controller
- AVR shield connection sockets
- AVR RESET cycle
- Zigbee
- 0-5V adjustable 1 pot for analogue experiments
- 2 relay and output terminals
- Breadboard
- Buzzer
- LED's
- Relay
- Wifi
- Bluetooth
- Temp & Hum Sensor
- Standard I/O interface
- Programmable with Arduino open source IDE

Baking System static module

- Baking machine controls
- Heater(Simulated) switching
- Rotary plate (Simulated)
- Mode selection and control panel
- learning & teaching content

Features of the Learning Platform

- Courses
- Documentation
- Tracking
- Software
- Management
- e-learning
- System

Note: Learning software : Software/Web based leaning platform

Learning Content

- Basics of microcontroller
- Build and Test Circuit
- Simulation for all expedites
- Hardware Description
- Arduino
- IO devices
- Communication Devices
- Baking System
- Programming
- Arduino IDE

Note: Specifications are subject to change.