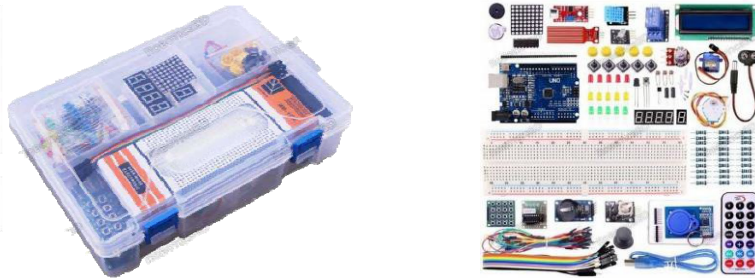# VERITAS Engineering

Catalog
Of

Arduino Based Micro-Controller Trainer

Brand: VERITAS

Model: VUMT-002

Technical Specifications

- The Arduino Development Kit is a comprehensive package designed for both beginners and advanced users to explore the world of electronics and programming. It includes an Arduino microcontroller board, a wide array of sensors, actuators, and components, making it perfect for educational purposes, prototyping, and DIY projects. Core Features:
- Architecture: 8-bit AVR RISC architecture Operating Voltage: 1.8V to 5.5V
- Flash Memory: 32 KB (of which 0.5 KB is used by the boot loader) SRAM: 2 KB
- EEPROM: 1 KB
- Clock Speed: 20 MHz
- I/O and Peripherals:
- Digital I/O Pins: 23 (of which 6 can be used as PWM outputs) Analog Input Channels: 6 (10-bit ADC)
- Timers/Counters:
- 3 x 8-bit timers (Timer Counter 0, 2, and 3)
- 1 x 16-bit Timer/Counter (Timer/Counter 1)
- PWM Channels: 6
- Watchdog Timer: Yes, with separate on-chip oscillator
- Analog Comparator: Yes
- USART: 1 (for serial communication)
- SPL: 1 (Serial Peripheral Interface)
- I2C: 1 (Two-wire Serial Interface)
- External Interrupts: 6
- 1 x 8x8 LED dot matrix screen; 1 x LCD1602 LCD display:
- 1 x 5-wire 4-phase stepper motor: 1 x 5V DC motor;
- 1 x Infrared remote control; 1 x Temperature sensor:
- 1 x Close sensitive resistance sensor; 1 x Thermistor sensor
- 1 x LDR sensor:
- 1 x Motion sensor:
- 1 x Vibration sensor; 1 x Gas sensor:
- 1 x Relay Module;
- 1 x CR1220 clock circuit battery;
- 1 x USB download data cable:
- 10 x 20cm high-quality DuPont wire;
- Others: Standard accessories with printed operation manual