

Duino328 Serial Board - Arduino Compatible ATmega328



Arduino is an open-source based on a simple I/O board and a development environment that implements the Processing/Wiring language. Arduino can be used to develop stand-alone interactive objects or can be connected to software on your computer.

This Duino328 Serial Board (Assembled Board includes ATmega328) use MAX232 drive the RS232 signal interface with your computer and includes the ATmega328 microcontroller with Diecimila bootloader and includes Standard Arduino Pinout will be developed with other board and includes 78L33 Voltage Regulator 3.3V for your other development and includes DIP switch SPST to disable auto reset and Green LED(D13) and includes resistors have tolerance $\pm 1\%$ and includes 100nF Polyester Capacitors.

ATmega328 microcontroller is MCU AVR® Atmel 32K FLASH 28-PDIP, Program memory size 32K x 8, RAM size 2K x 8, Number of I/O = 23, Speed 20MHz, Oscillator type = Internal, Program memory type = FLASH, EEPROM size = 1K x 8 Core processor = AVR, Data converters = A/D 6x10b, Core size 8 bit, Operating temperature $-40^{\circ}\text{C} \sim 85^{\circ}\text{C}$, Connectivity = I²C, SPI, UART/USART, Peripherals = Brown-out Detect/Reset, POR, PWM, WDT, Voltage Supply(Vcc/Vdd) = 1.8V ~ 5.5 V

Application For Use With

- ATSTK600-TQFP32-ND – STK600 SOCKET/ADAPTER32-TQFP.
- ATSTK600-ND – DEV KIT FOR AVR/AVR32.
- ATAVRDRAGON-ND – KIT DRAGON 32KB FLASH MEM AVR.
- ATAVRISP2-ND – PROGRAMMER AVR IN SYSTEM.

Board Packaging

1. Duino328 Serial Board (Assembled Board) includes ATmega328, Standard Arduino Pinout.
2. Free CD (Schematic, Blink example, Manual, Datasheet, Installation Program).