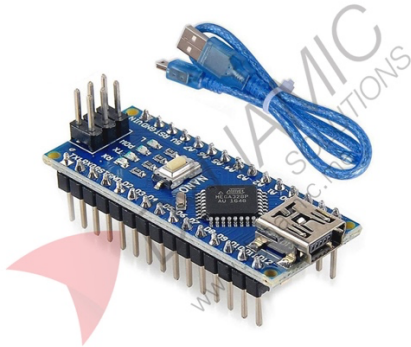


Nano 3.0 ATmega328P FT232 Chip with Mini USB Cable



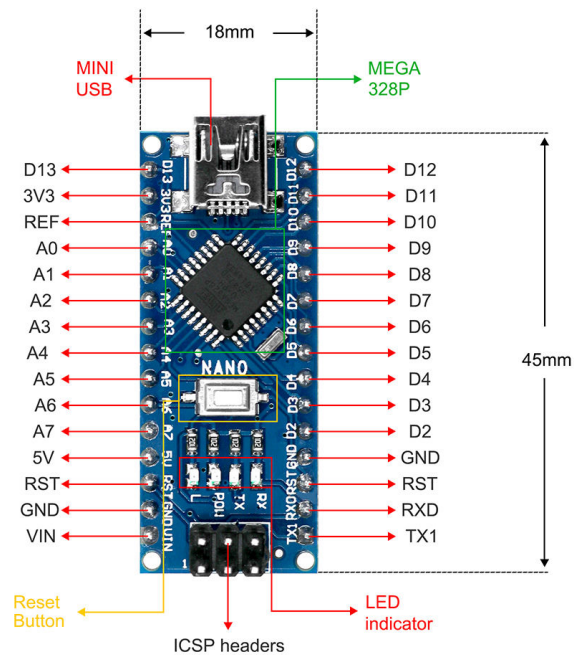
Features:

The Nano 3.0 ATmega328P FT232 Chip with Mini USB Cable is an ultra-small simple I/O platform based on open source code. It uses the ATmega328P-AU microcontroller, supports USB interface protocol and power supply, ISP download, TX/RX terminals, AREF terminal, and 6 PWM outputs.

Specifications	
Product Name	Nano 3.0 ATmega328P FT232 Chip with Mini USB Cable
Board Type	Nano V3.0 ATmega328P Microcontroller Board
Compatibility	Fully Compatible to Arduino Nano V3.0 ATmega328P-AU
Microcontroller	ATmega328P-AU
Back Chip	FT232RL
Architecture	AVR
Operating Voltage	5V
Input Voltage Recommended	7-12V
Input Voltage Limits	6-20V
Input Voltage USB	No external power supply required when connecting to USB
Digital I/O Pins	14
Digital I/O Pins Total	22, 6 of which are PWM
Analog Input Pins	8
PWM Output	6
PWM Pins	Pin11, Pin10, Pin9, Pin6, Pin5, Pin3
DC Current per I/O Pin	40mA
DC Current for 3.3V Pin	50mA
Flash Memory	32KB, 2KB used by bootloader
SRAM	2KB
EEPROM	1KB
Clock Speed	16MHz
Power Consumption	19mA
USB Interface	Supported
USB Cable Type	Mini USB Cable
ISP Download	Supported
TX/RX Terminals	Supported
AREF Terminal	Supported
Output Voltage	5V DC output, 3.3V DC output, external power input
Dimensions	Approx. 45 x 17 x 19mm

Cable Length	245mm
Color	Blue
Package Includes	1 Nano V3.0 ATmega328P Arduino Compatible Board, 1 Mini USB Cable
Usage	DIY electronics, Arduino sketches, compact embedded projects, interactive media projects

Pinouts:



Pin Name	Function	Description
D0-D13	Digital I/O	Digital input and output pins
D3, D5, D6, D9, D10, D11	PWM Output	6 PWM output pins
A0-A7	Analog Input	A/D input pins
3V3	3.3V Output	3.3V DC output pin
5V	5V Output	5V DC output pin
VIN	External Power Input	External DC input
GND	Ground	Ground connection
RST	Reset	Reset pin
REF	AREF	Analog reference terminal
RXD	RX	Serial receive terminal
TX1	TX	Serial transmit terminal
ICSP Headers	ISP Download	Supports ISP download function
Mini USB	USB Interface	Power supply and programming connection