The VMA102 (Arduino® Compatible Nano 3.0) is a small, complete, and breadboard-friendly board based on the ATmega328 (Arduino Nano 3.x) or ATmega168 (Arduino Nano 2.x). It has more or less the same functionality of the Arduino Duemilanove, but in a different package. It lacks only a DC power jack, and works with a mini-B USB cable instead of a standard one.

**Features**

- 100% compatible with Arduino® NANO 3.0

**Specifications**

- Microcontroller: Atmel ATmega168 or ATmega328
- Operating voltage: 5 VDC
- Input voltage (recommended): 7-12 VDC
- Input voltage (limits): 6-20 VDC
- Digital I/O pins: 14 (of which 6 provide PWM output)
- Analogue input pins: 8
- DC current per I/O pin: 40 mA
- Flash memory: 16 kB (ATmega168) or 32 kB (ATmega328)
- SRAM: 1 kB (ATmega168) or 2 kB (ATmega328)
- EEPROM: 512 bytes (ATmega168) or 1 kB (ATmega328)
- Clock speed: 16 MHz
- Length: 45 mm
- Width: 18 mm
- Weight: 5 g