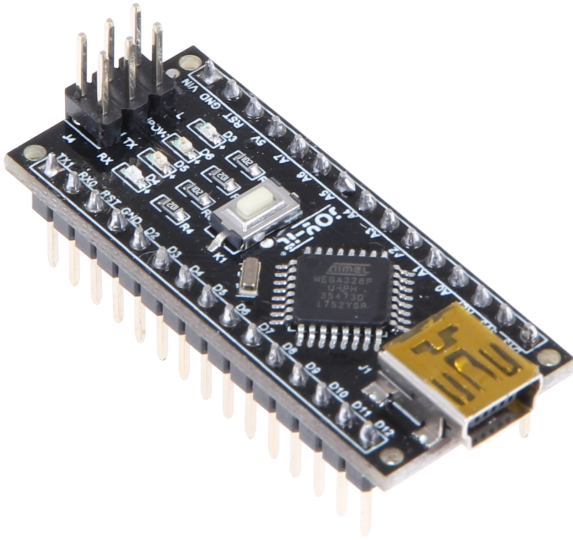# ARD NANO V3

Arduino compatible microcontroller with original chip

The ARD Nano V3 is a particularly small microcontroller and, due to the pin header leading out at the bottom, specially developed for working with plug-in boards. The microcontroller has an original chip and is therefore fully Arduino compatible.

Despite its compact design, the Nano V3 corresponds almost completely to the functional range of the larger R3DIP.

The integrated USB interface can be used to supply power to the circuit and the board as well as to transfer programs to the microcontroller.

MAIN FEATURES

Mikrocontroller	ATmega328P-AU
Clock frequency	16 MHz
Operating voltage	5 V
Analog pins	8
Digital Pins	14 (6 with PWM)
Special features	Fully Arduino compatible

TECHNICAL SPECIFICATIONS

DC voltage per I/O Pin	40 mA
Memory	32 kB (2 kB for bootloader)
SRAM	2 kB
EEPROM	1 kB
Input voltage	7 - 12 V
Current consumption	19 mA

FURTHER INFORMATION

Dimensions (W x D)	18 x 45 mm
Article no.	ARD_NanoV3
EAN	4250236816111
Customs tariff number	8542319000
Scope of delivery	ARD Nano V3

Mini-USB

RESET-Button

Power LED

TX LED

L LED · SCLK · 13 — D13
3V3 — 3V3
AREF — REF
A0 · 14 — A0
A1 · 15 — A1
A2 · 16 — A2
A3 · 17 — A3
SDA · A4 · 18 — A4
SCL · A5 · 19 — A5
A6 · 20 — A6
A7 · 21 — A7
5V — 5V
RESET — RST
GND — GND
VIN — VIN

D12 — 12 · MISO
D11 — 11 · MOSI · PWM
D10 — 10 · CE · PWM
D9 — 9 · PWM
D8 — 8
D7 — 7
D6 — 6 · PWM
D5 — 5 · PWM
D4 — 4
D3 — 3 · PWM
D2 — 2
GND — GND
RST — RESET
RX0 — 0 · RX
TX1 — 1 · TX

L LED

RX LED

ICSP

5V · 11 · MOSI · PWM · GND
MISO · 12 · RESET
13 · SCLK

I2C   SPI   PWM   Analog   Serial   IO   Power