

Code: NANO-V3/CH340

MODULE NANO-V3/CH340

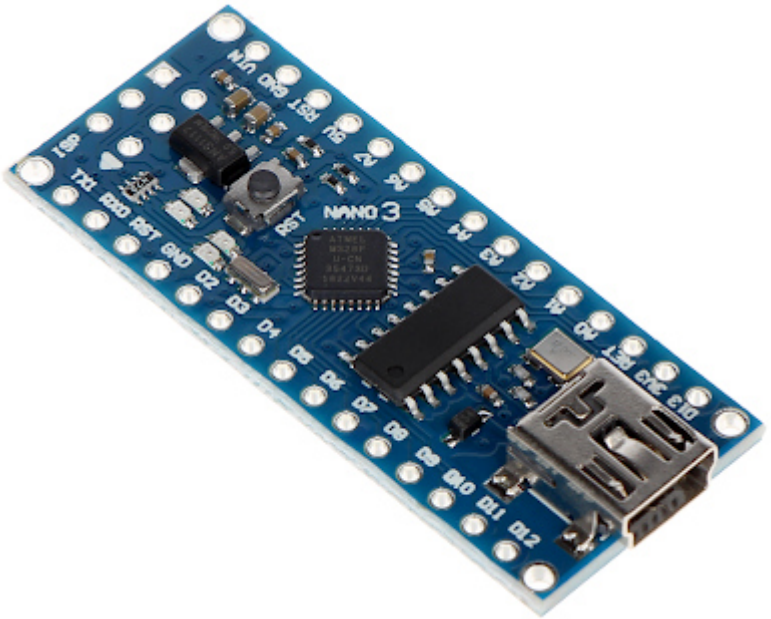
Net: 4.88 EUR Gross: 6.00 EUR

The NANO-V3/CH340 board is a functional clone of the Arduino NANO. Thanks to minor modifications of the module, the manufacturer managed to maintain full compatibility with the Arduino environment with a significant reduction in production costs. The heart of the system remains - unchanged from the original, the Atmega328P microcontroller. The key change, however, concerns the USB<->TTL converter whose function is played here by the popular and reliable CH340 chip.

Gold-pins attached to the PCB are not soldered, which allows the user to decide how to connect the module with other devices. This is especially important when installing the module in places with very limited space.

Full compatibility with the Arduino environment and pre-installed BOOTLOADER allow you to program the system in a manner identical to the original, using the same [Arduino IDE](#) software. Thanks to this, the product can be a perfect complement to the OSD-50HD character generator combined with the PORT-22 character converter.

For more information about OSD systems, visit www.osd.systems

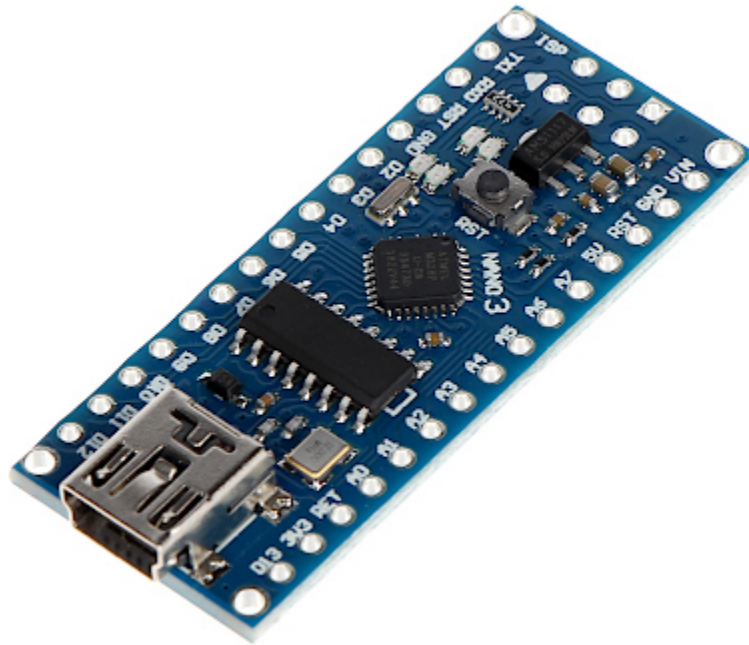


SPECIFICATION

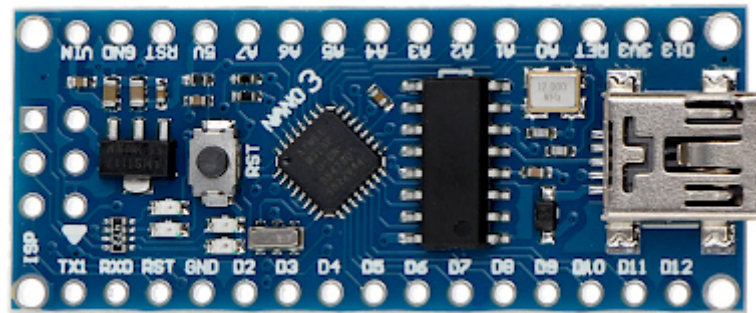
Support:	PORT-22
Built-in stabilizer:	✓
PCB casing:	—
Maximum high state voltage on logic gates:	5 V
Clock frequency:	12 MHz
Memory:	<ul style="list-style-type: none">• 32 kB - Flash• 1 kB - SRAM• 1 kB - EEPROM
GPIO ports:	14
Analog inputs:	8
PWM outputs:	6
Communication:	<ul style="list-style-type: none">• UART,• mini USB - B type
Power supply:	<ul style="list-style-type: none">• 7 ... 12 V DC,• 5 V DC - Port USB
Weight:	0.005 kg
Dimensions:	45 x 18 x 6 mm
Guarantee:	2 years

PRESENTATION

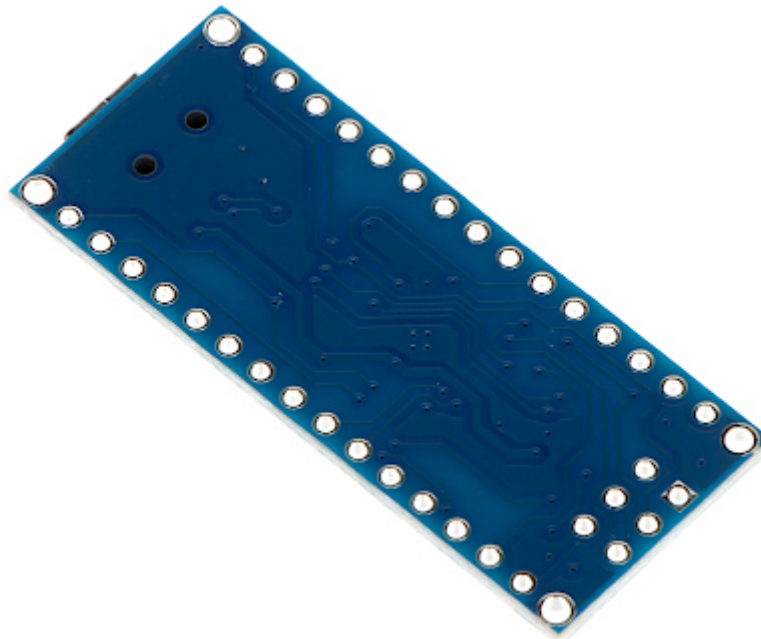
DELTA-OPTI Monika Matysiak; <https://www.delta.poznan.pl>
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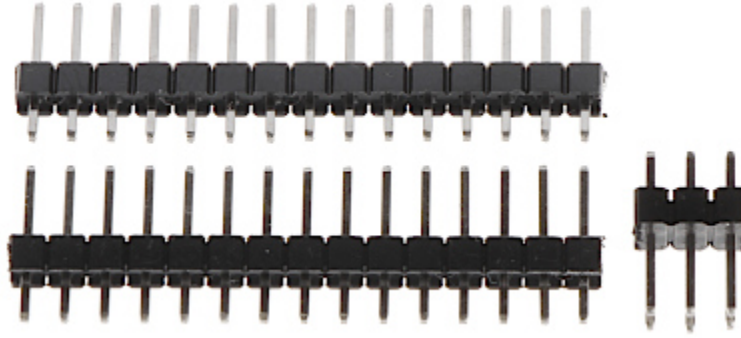
Top view:



Bottom view:



In the kit:



Example of application:



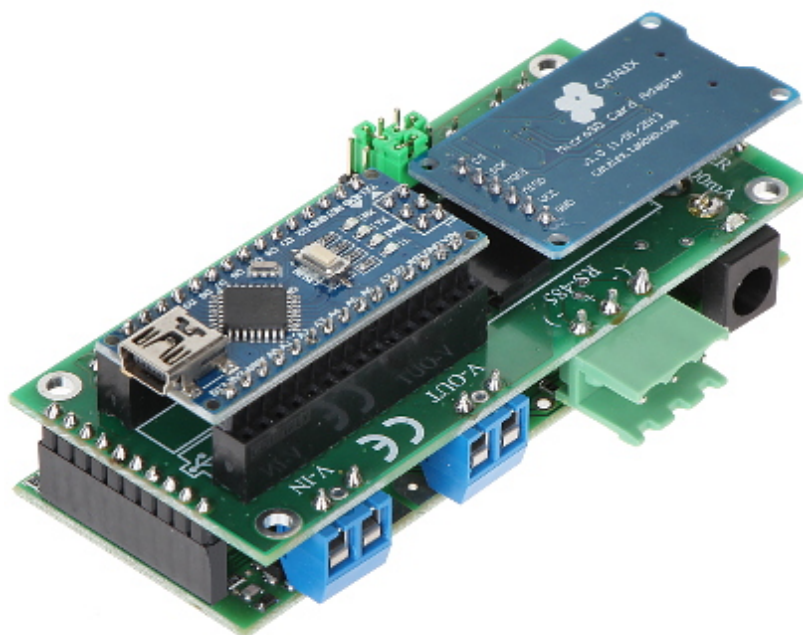
RS-485 connection to the ARDUINO / NUCLEO:



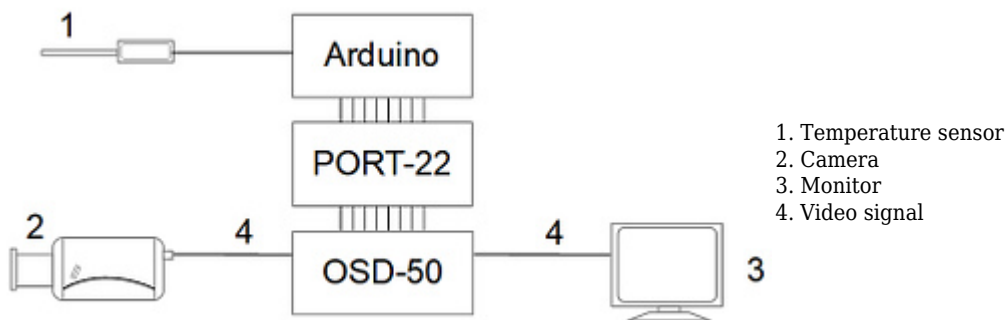
Direct sensors connection to the ARDUINO / NUCLEO:



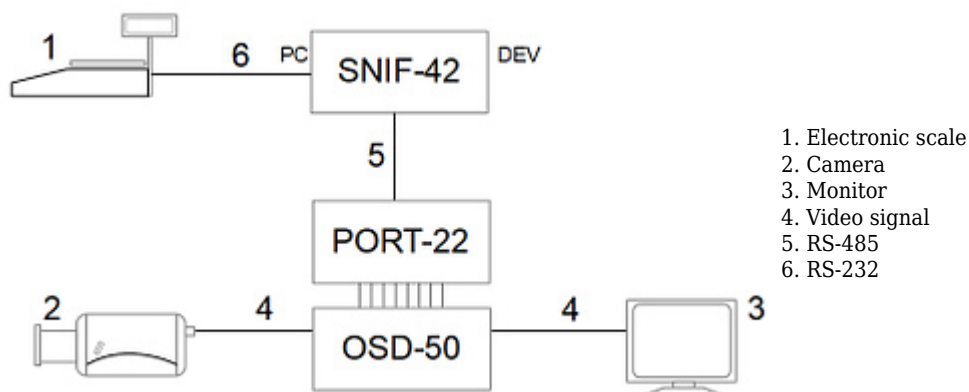
Cooperation between PORT-22 and Arduino and the microSD memory card slot:



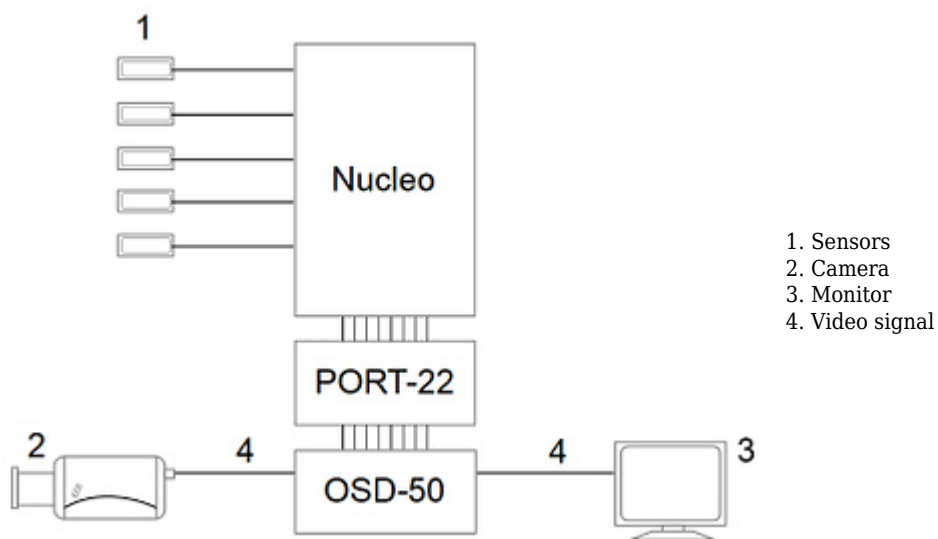
An example of connecting a temperature sensor:



Configuration with using a scale:



An example of connecting several sensors:



OSD Systems - the presentation:

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An exemplary OSD system for analogue HD cameras based on arduino nano using selected sensors:

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Example of application:

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