



## Interfaces

Serial	1xUART, 1xSPI, 1xTWI
USB	2.0 device [Native]

## General

Input Voltage	5V (USB/ext.) or 7~12V (Vin)
Power Consumption	29mA
PCB size	18mm x 48mm
Weight	7g

## Microcontroller

Microcontroller	ATmega32u4
Architecture	Microchip AVR 8-bit
Operating Voltage	5V
Flash Memory	32kB (4kB used by bootloader)
SRAM	2.5kB
EEPROM	1kB
Clock Speed	16MHz
I/O Total	20
Digital (max)	20
PWM (max)	7
Analog (max)	12 (10-bit resolution)
DC Current per I/O pins	40 mA (I/O pins) 50 mA (3.3 V pin)