



Genuino* 101

Intel® Curie-based Arduino* Board

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Microcontroller	Intel Curie
Operating Voltage	3.3V (5V tolerant I/O)
Input Voltage (recommended)	7-12V
Input Voltage (limit)	7-20V
Digital I/O Pins	14 (4 PWM output)
PWM Digital I/O Pins	4
Analog Input Pins	6
DC Current per I/O Pin	20 mA
Flash Memory	196 kB
SRAM	24 kB
Clock Speed	32MHz
Features	Bluetooth LE, 6-axis IMU
Length	68.6 mm
Width	53.4 mm



Genuino 101 with Intel® Curie - Product Specifications

External I/O Interfaces	
Bluetooth	Bluetooth® Smart
Arduino Headers	14 digital (4 w/ HW PWM) 6 analog input for ADC 3.3V I/O, with 5V tolerance
USB	1x USB 1.1 device, 3 end points
LEDs	1 green LED on D13 per Arduino 1 red LED for fault 1 green for activity 1 green for power
Debug	JTAG + Soft debug

Power	
USB	5VDC, Current limited to 500mA Max
DC in Jack	7VDC-18VDC (20VDC max) (1.0A maximum system current)

Intel Curie System-on-Module	
Quark SE	32MHz 32-bit IA and a 32-bit DSP
	32MHz 32-bit DSP Sensor Hub
	128-node Neural Network
Bluetooth	Bluetooth Smart
Memory	RAM: 80kB (24kB available for sketches) FLASH: 384kB (196kB),
Sensors	6-axis accelerometer/gyro

Other Key Features	
USB mass storage mode – On-board 2MByte FLASH	
Certification in over 100 countries	
Standard Arduino IDE	
HW reusable for Curie Prototyping Kit with new SW & FW	
JTAG debug port	

Firmware + Software	
OS	Zephyr (open source) on IA
Bluetooth profiles	GAP, GATT, DIS
Restore	USB (cable to host + app)
Compatible OSES	Windows, Mac OS X, Linux

Physical	
Size	70mm x 55mm x 20mm – exact mechanical to Arduino UNO
Weight	25.5g (0.9 oz)

In-box	
Assembled circuit board	
Regulatory info sheet	

*Names and brands may be claimed as the property of others.

