Arduino boards and accessories

Name	Photo	Description	Link
[M001] - Arduino Uno microcontroller board		**Entry Level** **Specification highlight:** Microcontroller: ATmega328P Operating voltage: 5 V Input voltage (recommended): 7 - 12 V Digital I/O pins: 14 PWM Digital I/O pins: 6 Analog input pins: 6 DC current per I/O pin: 20 mA DC current for 3.3 V pin: 50 mA Flash memory: 32 kB	Detailed information Getting started Tutorials
[M002] - Arduino Leonardo microcontroller board		**Entry Level** **Specification highlight:** Microcontroller: ATmega32u4 Operating voltage: 5 V Input voltage (recommended): 7 - 12 V Digital I/O pins: 20 PWM Digital I/O pins: 7 Analog input pins: 12 DC current per I/O pin: 40 mA DC current for 3.3 V pin: 50 mA Flash memory: 32 kB	Detailed information Getting started Tutorials

Name	Photo	Description	Link
[M003] - Arduino Yun microcontroller board		**Specification highlight:** Microcontroller: ATmega32u4 Operating voltage: 5 V Digital I/O pins: 20 PWM Digital I/O pins: 7 Analog I/O pins: 12 DC current per I/O pin: 40 mA DC current for 3.3 V pin: 50 mA Flash memory: 32 kB	Detailed information Getting started Tutorials
[M004] - Arduino Yun Mini microcontroller board		**Specification highlight:** Microcontroller: ATmega32u4 Operating voltage: 5 V Digital I/O pins: 20 PWM Digital I/O pins: 7 Analog I/O pins: 12 DC current per I/O pin: 40 mA DC current for 3.3 V pin: 50 mA Flash memory: 32 kB	Detailed information Getting started Tutorials
[M005] - Arduino Mega microcontroller board		**Specification highlight:** Microcontroller: ATmega2560 Operating voltage: 5 V Input voltage (recommended): 7 - 12 V Digital I/O pins: 54 PWM Digital I/O pins: 15 Analog input pins: 16 DC current per I/O pin: 20 mA DC current for 3.3V pin: 50 mA Flash memory: 256 kB	Detailed information Getting started Tutorials

Name	Photo	Description	Link
[M006] - Arduino Due microcontroller board		**Specification highlight:** Microcontroller: AT91SAM3X8E Operating voltage: 3.3 V Input voltage: 7 - 12 V Digital I/O pins: 54 PWM digital I/O pins: 12 Analog input pins: 12 Analog output pins: 2 Total DC output current on all I/O lines: 130 mA DC current for 3.3 V pin: 800 mA DC current for 5 V pin: 800 mA Flash memory: 512 kB	Detailed information Getting started Tutorials
[M008] - Arduino Pro microcontroller board		**Specification highlight:** Microcontroller: ATmega328 Operating voltage (8 MHz): 3.3 V Operating voltage (16 MHz): 5 V Digital I/O pins: 14 PWM digital I/O pins: 6	Detailed information Getting started Tutorials
[M009] - Genuino 101 microcontroller board		**Specification highlight:** Microcontroller: Intel Curie Operating voltage: 3.3 V Recommended input voltage: 7 - 12 V Digital I/O pins: 14 PWM Digital I/O pins: 4 Analog input pins: 6 DC current per I/O pin: 20 mA Flash memory: 196 kB	Detailed information Getting started Tutorials

Name	Photo	Description	Link
[M010] - Arduino Micro 5V microcontroller board		**Entry Level** **Specification highlight:** Microcontroller: ATmega32U4 Operating voltage: 5 V Recommended input voltage: 7 - 12 V Digital I/O pins: 20 PWM Digital I/O pins: 7 Analog input pins: 12 DC current per I/O pin: 20 mA DC current for 3.3V pin: 50 mA Flash memory: 32 kB	Detailed information Getting started Tutorials
[M011] - Arduino Industrial 101 microcontroller board		**Specification highlight:** Microcontroller: ATmega32u4 Operating voltage: 5 V Recommended input voltage: 7 - 12 V Digital I/O pins: 20 (7 exported on header) PWM Digital I/O pins: 7 (2 exported on header) Analog input pins: 12 (4 exported on header) DC current per I/O pin: 40 mA	Detailed information Getting started Tutorials

Name	Photo	Description	Link
[M101] - Arduino Starter Kit		**Components included:** 1. Projects book 2. Arduino / Genuino Uno 3. USB Cable 4. Breadboard with 400 points 5. Solid core jumper wires (x70) 6. Easy-to-assemble wooden base 7. 9V battery snap 8. Stranded jumper wire (black) 9. Stranded jumper wire (red) 10. Phototransistor (x6) 11. Potentiometer 10 kOhm (x3) 12. Pushbutton (x10) 13. Temperature sensor 14. Tilt sensor 15. Alphanumeric LCD (16x2 characters) 16. LED (bright white) 17. LED (RGB) 18. LED (red) (x8) 19. LED (green) (x8) 20. LED (yellow) (x8) 21. LED (blue) (x3) 22. Small DC Motor 6/9 V 23. Small servo Motor 24. Piezo Capsule [PKM17EPP-4001-B0] 25. H-bridge Motor driver [L293D] 26. Optocouplers [4N35] 27. MOSFET transistor [IRF520] (x2) 28. Capacitors 100uF (x5) 29. Diode [1N4007] (x5) 30. Transparent gels (red, green, blue) 31. Male pins strip (40x1) 32. Resistor 220 Ohm (x20)	Detailed information

Name	Photo	Description	Link
		33. Resistor 560 Ohm (x5) 34. Resistor 1 kOhm (x5) 35. Resistor 4.7 kOhm (x5) 36. Resistor 10 kOhm (x20) 37. Resistor 1 MOhms (x5) 38. Resistor 10 MOhms (x5)	
[M102] - Arduino box			
[M301] - Arduino Wifi Shield		**Specification highlight:** Operating voltage: 5 V Compatibility: Arduino Due Connection via: 802.11b/g networks Connection with Arduino: SPI port	Detailed information Getting started
[M319] - Arduino Robot LCD			

Name	Photo	Description	Link
[M901] - Arduino Robot		**Specificiation highlight:** Operating voltage: 5 V Input voltage: 9 V to battery charger AA battery slot: 4 alkaline / NiMh rechargeable DC Current per I/O pin: 40 mA DC-DC converter: generates 5 V to power up the whole robot	Detailed information Get started