

ARDUINO Development Boards and TinkerKits



Embedded Modules
Arduino

Arduino provides open-source electronics prototyping platforms based on flexible, easy-to-use hardware and software. Arduino prototyping platforms are intended for artists, designers, hobbyists, and anyone interested in creating interactive objects or environments. Arduino's prototyping platforms can sense the environment by receiving input from a variety of sensors and can affect their surroundings by controlling lights, motors, and other actuators. Arduino projects can be stand-alone or they can communicate with software running on a computer.



ARDUINO PROTOTYPING PLATFORMS

Development Boards



For quantities greater than listed, call for quote.

| MOUSER STOCK NO. | Arduino Part No. | Microcontroller | Clock Speed (MHz) | Digital I/O Pins | Analog I/O Pins | Flash Memory | Description | Price Each | | |
|------------------|------------------|-----------------|-------------------|------------------|-----------------|--------------|---|------------|-------|-------|
| | | | | | | | | 1 | 10 | 100 |
| 782-A000057 | A000057 | ATmega32u4 | 16 | 20 | 12 | 32 | Leonardo AVR Microcontroller Board | 21.95 | 21.59 | 21.29 |
| 782-A000066 | A000066 | ATmega328P | 16 | 14 | 6 | 32KB | Arduino Uno, Revision 3 Microcontroller Board | 25.00 | 24.95 | 24.95 |
| 782-A000067 | A000067 | ATmega2560 | 16 | 54 | 16 | 256KB | Arduino Mega2560 Revision 3 Microcontroller Board | 38.95 | 38.45 | 38.05 |
| 782-A000003 | A000003 | ATmega328 | 16 | 14 | 8 | 16KB | Mini Microcontroller Board | 26.45 | 26.45 | 25.95 |
| 782-A000004 | A000004 | ATmega328 | 16 | 14 | 8 | 16KB | Mini Lite Microcontroller Board | 20.95 | 20.75 | 20.45 |
| 782-E000010 | E000010 | ATmega328P | 8 | 14 | 8 | 32KB | Fio Microcontroller Board | 23.95 | 23.95 | 23.45 |

Shields



For quantities greater than listed, call for quote.

| MOUSER STOCK NO. | Arduino Part No. | Description | Price Each | |
|------------------|------------------|--|------------|-------|
| | | | 1 | 10 |
| 782-A000030 | A000030 | Power Management Controller | 82.95 | 82.45 |
| 782-A000006 | A000006 | Serial Interface for Arduino Board | 6.76 | 6.28 |
| 782-A000007 | A000007 | Xbee with RF module | 58.95 | 58.95 |
| 782-A000021 | A000021 | Xbee Shield without RF module | 15.95 | 15.45 |
| 782-A000014 | A000014 | AVR USB/Serial Converter | 17.95 | 17.45 |
| 782-A000015 | A000015 | AVR USB/Serial Converter Lite | 17.05 | 16.55 |
| 782-A000059 | A000059 | USB 2 Serial Converter | 14.95 | 14.35 |
| 782-A000050 | A000050 | Ethernet without PoE | 57.95 | 57.95 |
| 782-A000055 | A000055 | Ethernet Micro-SD with PoE | 62.95 | 60.43 |
| 782-A000058 | A000058 | Arduino WiFi Shield | 89.95 | 89.45 |
| 782-A000060 | A000060 | Ethernet without PoE +USB 2 Serial | 69.95 | 69.95 |
| 782-A000061 | A000061 | Ethernet with PoE +USB 2 Serial | 89.95 | 89.95 |
| 782-A000064 | A000064 | Wireless Shield | 19.95 | 19.15 |
| 782-A000065 | A000065 | Wireless Shield with SD | 27.95 | 26.83 |
| 782-A000068 | A000068 | Ethernet Shield without PoE Rev.3 | 57.95 | 57.45 |
| 782-A000075 | A000075 | Ethernet Shield Mic-SD with PoE Rev. 3 | 56.00 | 55.00 |

Prototyping & Kits (Cont.)



For quantities greater than listed, call for quote.

| MOUSER STOCK NO. | Arduino Part No. | Description | Price Each | |
|------------------|------------------|--|------------|-------|
| | | | 1 | 10 |
| 782-A000081 | A000081 | MEGA Protoshield Revision 3 Kit | 12.95 | 12.95 |
| 782-A000082 | A000082 | ProtoShield Rev3 with headers and 1 reset switch | 43.95 | 4.80 |
| 782-A000032 | A000032 | Breadboard with Wire Kit | 14.05 | 13.85 |
| 782-A000009 | A000009 | Plastic Enclosure for Arduino Board | 12.95 | 11.95 |
| 782-A000010 | A000010 | Kit base | 81.95 | 80.95 |
| 782-A000028 | A000028 | Workshop Base Level without Arduino Board | 45.95 | 45.95 |

Prototyping & Kits



For quantities greater than listed, call for quote.

| MOUSER STOCK NO. | Arduino Part No. | Description | Price Each | |
|------------------|------------------|-----------------------------|------------|------|
| | | | 1 | 10 |
| 782-T030081 | T030081 | Half Breadboard PCB Module | 5.49 | 5.29 |
| 782-T030080 | T030080 | Full Breadboard PCB Module | 7.95 | 7.59 |
| 782-A000080 | A000080 | MEGA Protoshield Revision 3 | 4.95 | 4.95 |

Accessories



For quantities greater than listed, call for quote.

| MOUSER STOCK NO. | Arduino Part No. | Description | Price Each | |
|------------------|------------------|---|------------|-------|
| | | | 1 | 10 |
| 782-A000085 | A000085 | Header Strip, 2 pcs, 14.5mm pitch, 8 ways | 1.49 | 1.39 |
| 782-A000084 | A000084 | Header Strip, 2 pcs, 14.5mm pitch, 6 ways | 1.49 | 1.39 |
| 782-A000086 | A000086 | Header Strip, 2 pcs, 14.5mm pitch, 10 ways | 1.49 | 1.39 |
| 782-A000026 | A000026 | Header Strip 40 x 1 | 2.95 | 2.83 |
| 782-A000040 | A000040 | 14.5mm Strip 6 and 8 Ways | 1.95 | 1.87 |
| 782-A000045 | A000045 | USB Cable Type A/B, 6FT | 2.95 | 2.83 |
| 782-A000054 | A000054 | Mini USB Cable, 6FT | 3.95 | 3.79 |
| 782-A000071 | A000071 | USB Cable - USB to MicroUSB (Canon), 1.8m | 3.59 | 3.49 |
| 782-B000003 | B000003 | Open Software Book - prototyping w/ conductive fabric, resistive thread, soft buttons, etc. | 18.95 | 18.95 |

TINKERKITS

TinkerKit simplifies electronic prototyping throughout a wide variety of sensors and actuators soldered on orange-coloured boards you can hook up to the Arduino through the Sensor Shield and three-pin cables. A little signal amplifier helps to stabilize the signals running on the cables, ensuring clean analysis from the sensors even on long distances (1m-5m). TinkerKit has been conceived for school teaching and museum exhibitions, allowing the setup of interactive environments on the run, without using soldering iron or breadboard. TinkerKit is the result of years of award-winning experience in Interaction Design. For a long time it has been developed as an internal tool, improved bit by bit project by project, client by client.

Kits

For quantities greater than listed, call for quote.

| MOUSER STOCK NO. | Arduino Part No. | Description | Price Each | |
|------------------|------------------|------------------|------------|--------|
| | | | 1 | 10 |
| 782-K000001 | K000001 | Base Kit | 109.95 | 109.95 |
| 782-K000002 | K000002 | Starter Kit | 139.95 | 134.35 |
| 782-K000003 | K000003 | Professional Kit | 279.95 | 268.75 |
| 782-K000006 | K000006 | ADK Kit | 349.95 | 349.95 |

Modules



For quantities greater than listed, call for quote.

| MOUSER STOCK NO. | Arduino Part No. | Description | Price Each | |
|------------------|------------------|-------------------------------|------------|-------|
| | | | 1 | 10 |
| 782-X000002 | X000002 | PoE Module | 21.95 | 21.95 |
| 782-T020060 | T020060 | Sensor Shield V.2 | 1.95 | 1.87 |
| 782-T020070 | T020070 | Mega Sensor Shield V.2 | 2.95 | 2.83 |
| 782-T000020 | T000020 | Accelerometer Module | 26.95 | 25.87 |
| 782-T000030 | T000030 | Joystick Module | 20.95 | 20.11 |
| 782-T000070 | T000070 | Hall Sensor Module | 12.95 | 12.43 |
| 782-T000090 | T000090 | LDR Sensor Module | 8.95 | 8.59 |
| 782-T000140 | T000140 | Potentiometer Module - Rotary | 8.95 | 8.59 |
| 782-T000150 | T000150 | Potentiometer Module - Linear | 9.95 | 9.55 |
| 782-T000180 | T000180 | Pushbutton Module | 6.95 | 6.67 |
| 782-T000190 | T000190 | Tilt Sensor Module | 8.95 | 8.59 |
| 782-T000200 | T000200 | Thermistor Module | 8.95 | 8.59 |

Modules (Cont.)

For quantities greater than listed, call for quote.

| MOUSER STOCK NO. | Arduino Part No. | Description | Price Each | |
|------------------|------------------|---|------------|-------|
| | | | 1 | 10 |
| 782-T000220 | T000220 | Touch Sensor Module | 9.95 | 9.55 |
| 782-T010010 | T010010 | Relay Module | 15.45 | 14.95 |
| 782-T010051 | T010051 | Servo Module - Analog, 42x20.5x39.5mm, 360° Rotation | 16.59 | 16.39 |
| 782-T010050 | T010050 | MicroServo Module - Analog, 22.2x11.6x21.5mm, 180° Rotation | 9.69 | 9.59 |
| 782-T000062 | T000062 | 2 Axis Gyroscope Module, 4X Sensitivity | 26.95 | 26.49 |
| 782-T000060 | T000060 | 2 Axis Gyroscope Module, 1X Sensitivity | 26.95 | 26.49 |
| 782-T010020 | T010020 | MOSFET Module | 12.82 | 12.31 |
| 782-T010110 | T010110 | Power LED Module | 15.95 | 15.31 |
| 782-T010111 | T010111 | Blue LED Module 5mm | 10.55 | 10.55 |
| 782-T010112 | T010112 | Green LED Module 5mm | 6.95 | 6.95 |
| 782-T010113 | T010113 | Yellow LED Module 5mm | 7.95 | 7.95 |
| 782-T010114 | T010114 | Red LED Module 5mm | 6.95 | 6.95 |
| 782-T010115 | T010115 | Blue LED Module 10mm | 10.55 | 10.55 |
| 782-T010116 | T010116 | Green LED Module 10mm | 6.95 | 6.95 |
| 782-T010117 | T010117 | Yellow LED Module 10mm | 7.95 | 7.95 |
| 782-T010118 | T010118 | Red LED Module 10mm | 6.95 | 6.95 |

Accessories

For quantities greater than listed, call for quote.

| MOUSER STOCK NO. | Arduino Part No. | Description | Price Each | |
|------------------|------------------|---------------------|------------|------|
| | | | 1 | 10 |
| 782-T020060 | T020060 | Toolkit wire, 20cm | 1.95 | 1.87 |
| 782-T020070 | T020070 | Toolkit wire, 50cm | 2.95 | 2.83 |
| 782-T020080 | T020080 | Toolkit wire, 100cm | 4.95 | 4.75 |