

RAD-UM Electronics Inventory

Item	Quantity	Description
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Arduino

Arduino Uno - R3	13	
Arduino Ethernet w/o PoE	2	
Nano	1	
Arduino Bluefruit kit		
Xbee Shield	2	

Raspberry Pi

Raspberry Pi Model B+	3	
Raspberry Pi Camera Module	1	

Wearables

LilyPad Design Kit		
LilyPad Rainbow LED (strip of 7 colors)	2	
Sewing needle	3	
Conductive Fabric	1	6"x6.5" Ripstop
Felt Sheet	1	9"x12"
Coin Cell Battery - 20mm	7	
Conductive Thread Bobbin	3	30ft
LilyPad Coin Cell Battery Holder - Switched	3	
LilyPad Coin Cell Battery Holder	4	
LilyTiny	1	
LilyPad Slide Switch	1	
LilyPad Button Board	1	
Simple Snap - Male	2	
Simple Snap - Female	2	

Components

Wires

Jumper Wires Premium M/F Pack of 100	1	6"
Jumper Wires Premium M/M Pack of 100	1	6"
Jumper Wires Premium F/F Pack of 100	1	6"
Muscle Wires	4	
Hook-Up Wire - Assortment (Solid Core, 22 AWG)	1	

Resistors

Resistor Kit - 1/4W (500 total)	46	25 of each of the following: 0, 1.5, 4.7, 10, 47, 100, 220, 330, 470, 680, 1k, 2.2k, 3.3k, 4.7k, 10k, 22k, 47k, 100k, 330k, 1m
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Sensors

<i>PROXIMITY SENSORS</i>		
Ultrasonic Sensors	12	
Motion Sensors (PIR)	8	
Ultrasonic Range Finder	1	
Pressure Sensor	1	
Slider Potentiometer	2	
Sound Sensor	1	
Connectivity Vibration Sensors	10	
Magnetosensors	2	
HTU21D Humidity Sensor	1	

Accelerometer	1
Triple Axis Digital Gyro Breakouts	1
Barometric/Altitude and Pressure Sensor	1
Mini Proximity Sensor	1
HBridge	3
Shift Register	2

Transistors

TIP 42	7
TIP 120	2
BS170 (Mosfet)	2
FQP	1

3 legs (electronic switch)

Motors

Servo Motors	17
Controller Motors	4
DC Motors	2
DC Motor in Micro Servo Body	4
Motor Controllers	4
Stepper Motor 12VDC	4
Small Reduction Stepper Motor	4
Continuous Rotation Servo	1
Continuous Rotation Micro Servo	4
Stopper Rotation Micro Servo	8
Motor Stepper Shield	3
TT Motor Bi-Metal Gearbox	1
Triple Axis Accelerometer	1
Motor Mount - L-Bracket	8
Snap on Hub for TT Motor	4
SparkFun motor driver kit	3
Geared motor	6
Standard Spur Gear motor	4

Power Regulator

LM2596 DC Adjustable PSU	1
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Breadboards

Breadboard - Mini Modular (White)	5
Breadboard - Full	35
Breadboard Circuits	30

LEDs

LED - Assorted (20 pack)	24
RGB LED Panel - 32x32	12
Led Matrix Kit	2

Pushbuttons

Tactile Button Assortment	10
Switches	2
Mechanical Switch/Spring	15 packs

2 each of 6 different colors for a total of 12 buttons

Speakers

Surface Transducer - Large	1
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Power Supplies

12V 5A switching power supply	10
5V switching power supply	5
Batteries	50
Adjustable Power Supply	4
Adapter power	1

Fans

DC Brushless Fan - 80x80x15mm (5V)	4
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SparkFun Xbee Wireless Kit	
Xbee Shield	1

Xbee Explorer USB	1
Xbee Modules	2
Arduino Stackable Header Kit - R3	1

SparkFun Sensor Kit		
	Triple Axis Magnetometer Breakout	1
	Triple Axis Accelerometer Breakout	1
	Triple-Axis Digital Output Gyro ITG-3200 Breakout	1
	Large Piezo Vibration Sensor - With Mass	1
	Reed Switch	1
	0.25" Magnet Square	1
	0.5" Force Sensitive Resistor	1
	PIR Motion Sensor	1
	Ultrasonic Rangefinder - Maxbotix LV-EZ1	1
	HTU21D Humidity Sensor Breakout	1
	IR Receiver Breakout Board	1
	Mini Photocell	11
	Optical Detector/Phototransistor	1
	Altitude/Pressure Sensor	1
	Flex Sensor	1
	SoftPot	1
	Resistor 10K Ohm 1/6th Watt PTH - 20 Pack	1
	Resistor 1.0M Ohm 1/6 Watt PTH	1

Tool Kit - Intermediate

	Soldering Iron Variable Temperature 50W	1
	Soldering Iron Stand	1
	Solder Wick #2 5ft. - Generic	1
	SparkFun Safety Glasses	1
	Monocle Magnifier - Illuminated	1
	Wire Strippers 30 AWG	1
	Digital Multimeter - Basic	1
	Flush Cutters - Hakko	1
	Diagonal Cutters	1
	Solder Lead Free 15-gram Tube	1
	Pocket Screwdriver Set	1
	Needle Nose Pliers	1
	Hobby Knife	1

Solder Leaded - 100 gram Spool	2
Third Hand	1

Potentiometer Kit	1 pack	20 potentiometers
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Screens		4
Capacitor		1
Piezo Buzzer		1
safety goggles		9