

Parts List

Parts	Value	Quantity	Online Store URL
Solderless Breadboard		1	https://www.sparkfun.com/products/112
Breadboard Power Supply	3.3 VDC and 5 VDC	1	https://www.amazon.com/dp/B010UJFVTU/
5 V Wall Wart	9 VDC, 650 mA	1	https://www.sparkfun.com/products/298
22 AWG Wire	Assorted Colors	1	https://www.sparkfun.com/products/11367
Arduino Microcontroller	Uno R3 SMD	1	https://www.amazon.com/dp/B007R9TUJE/
Resistors	Assorted	Many	https://www.sparkfun.com/products/10969
Capacitors	Assorted	Many	https://www.sparkfun.com/products/13698
Small Signal Diodes	1N4148	4	https://www.sparkfun.com/products/13682
Switch	SPDT	1	https://www.amazon.com/dp/B007QAJUUS
Fan	5 VDC, 120 mm	1	https://www.amazon.com/dp/B07Y7XB6G2/
Light-Emitting Diodes	Assorted	Many	https://www.sparkfun.com/products/12062
Photodiode	BPW34	1	https://www.sparkfun.com/products/9088
Zener Diode	5.1 V	1	https://www.amazon.com/dp/B01GNW6M4G/
NPN Transistor	2N3904	2	https://www.sparkfun.com/products/13682
PNP Transistor	2N3906	2	https://www.sparkfun.com/products/13682
DC Motor	6 VDC, 60 mA	1	https://www.amazon.com/dp/B009N81LAS/