

Cooler Budget				
Modules	Parts	Unit Cost	Quantity	Cost
Structure/Chasis				
Cooler	Coleman 100qt	\$69.97	1	\$69.97
Micro Controller				
Micro Controller	Raspberry Pi 4	\$79.99	1	\$79.99
Temperature Regulation				
Temperature Sensor	DHT11	\$5.99	2	\$11.98
Refrigerator	Thermoelectric Refrigerator	\$23.99	2	\$47.98
Power Control Unit				
Charging Applications	Qi Wireless Charging Transmitter	\$26.95	1	\$26.95
Solar Panel	ECO-Worthy	\$33.00	1	\$33.00
Battery	Miadi LFP20AH	\$69.99	2	139.98
Wired USB Charging	YM1236 Dual USB Charger	\$9.59	1	\$9.59
AC Battery Charger	NOCO Genius10	\$64.96	1	\$64.96
Locking Mechanism				
RFID	RC 522	\$5.49	1	\$5.49
Servo	Betu 25KG	\$18.50	2	\$37.00
LED Lights				
LED Light Strip	Flexible LED Strip Lights	\$8.79	1	\$8.79
Photoresistor	Photocell	\$0.95	1	\$0.95
Cutting Board				
Cutting Board	FarberWare Plastic Cutting Board	\$6.62	1	\$6.62
Servo	Betu 25KG	\$18.50	1	\$18.50
GPS				
GPS Module	BN-880 GPS Module	\$18.99	1	\$18.99
Inputs				
TouchScreen	Sunfounder 7 inch	\$65.99	1	\$65.99
Outputs				
Speakers	Low Profile Marine Speakers	\$29.99	1	\$29.99
Amp board	TPA3116,DAMGOO	\$22.99	1	\$22.99

Other Components				
Analog to Digital Converter	MCP3008	\$3.75	1	\$3.75
Servo Controller	SunFounder PCA9685	\$9.99	1	\$9.99
Total				\$713.45