

Robot Price List - FranRobots RCJ Rescue Maze

Item	Price	Units Per Package	Packages	Units Used	Total	Reference
LDR (Light Dependent Resistor) 5mm	€ 1.93	100 units	1	3	€ 1.93	Link
Resistor 1/4W 10K Ohm	€ 0.89	100 units	1	20	€ 0.89	Link
Resistor 1/4W 110 Ohm	€ 0.89	100 units	1	1	€ 0.89	Link
Diode 1N4007	€ 0.89	100 units	1	1	€ 0.89	Link
Capacitor 220uF 25V	€ 0.89	20 units	1	3	€ 0.89	Link
Capacitor 1uF 50V	€ 0.89	50 units	1	1	€ 0.89	Link
White LED 5mm Ultra Bright	€ 0.86	100 units	1	3	€ 0.86	Link
CTK C9L3 Infrared Reflective Optic Sensor	€ 1.25	1 unit	3	3	€ 3.75	Link
50 RPM DC Motor with gearbox reduction - MJ TEK8 12V	€ 24.74	1 unit	2	2	€ 49.48	Link
Motor Driver H Double Bridge L298N HS	€ 0.76	1 unit	1	1	€ 0.76	Link
Battery Display MH-DL18S	€ 3.39	1 unit	1	1	€ 3.39	Link
LipoBattery 2.2Ah 11.1V LionPower	€ 4.47	1 unit	1	1	€ 4.47	Link
Female XT60 Battery Connector	€ 0.92	1 unit	1	1	€ 0.92	Link
Step Down Buck DC-DC Mini 360 3A	€ 1.14	1 unit	3	3	€ 3.42	Link
Universal Perf Board 10x10cm	€ 1.72	1 unit	1	1	€ 1.72	Link
ESP32-WROOM-32 30pins	€ 0.89	1 unit	1	1	€ 0.89	Link
I2C Multiplexer 8-channel TCA9548A	€ 1.36	1 unit	1	1	€ 1.36	Link
GY-BNO055 9-Axis Abs. Orientation	€ 7.14	1 unit	1	1	€ 7.14	Link
VL53L0X Time-Of-Flight Laser Ranging Sensor	€ 6.25	8 units	1	8	€ 6.25	Link
Mini Rocker Switch KCD11-101	€ 0.74	10 units	1	3	€ 0.74	Link
SG90 9G Micro Gear Servo 180°	€ 0.89	1 unit	1	1	€ 0.89	Link
Individually Addressable RGB LED Strip 5V	€ 1.25	1 unit	1	1	€ 1.25	Link
Raspberry PI 4 Model B 8GB	€ 75.12	1 unit	1	1	€ 75.12	Link
Generic WebCam FullHD	€ 2.51	1 unit	2	2	€ 5.02	Link
USB C Cable 1m	€ 0.89	1 unit	1	1	€ 0.89	Link
USB A 2.0 Cable 1m	€ 0.89	1 unit	2	2	€ 1.78	Link
Borne 2-Way 5.08mm WJ128	€ 0.40	5 units	2	9	€ 0.80	Link
Male Header 2.54mm 1x40	€ 0.89	10 units	1	2	€ 0.89	Link
Female Header 2.54mm 1x40	€ 0.89	10 units	1	3	€ 0.89	Link

Female Jumper 20cm	€	0.70	10 units	1	2	€	0.70	Link
Multi-colored Flat Cabe AWG26	€	0.38	1 meter	3	3	€	1.14	Link
3D Printed Handle	€	5.25	1 unit	1	1	€	5.25	Link
3D Printed Triple LDR Case	€	2.97	1 unit	1	1	€	2.97	Link
3D Printed Rescue Kit	€	3.75	12 units	1	12	€	3.75	Link
3D Printed Main Switch Support	€	3.00	1 unit	1	1	€	3.00	Link
3D Printed Motor Gear Wheel	€	6.91	1 unit	2	2	€	13.82	Link
3D Printed Free Gear Wheel	€	6.76	1 unit	2	2	€	13.52	Link
3D Printed Track Belt Teeth	€	6.41	30 units	3	72	€	19.23	Link
3D Printed Track Belt Axle	€	3.64	30 units	3	72	€	10.92	Link
3D Printed Trigger Piston "Mat"	€	3.12	1 unit	1	1	€	3.12	Link
3D Printed Stabilizer Parts	€	2.88	1 unit	2	2	€	5.76	Link
Plate of Transparent Acrylic 3mm 60x40cm	€	8.93	1 unit	1	1	€	8.93	Link
Silicon Glue 85g	€	1.92	1 unit	1	1	€	1.92	Link
Slotted Flat Head Bolt M2.5 16mm	€	0.10	1 unit	14	14	€	1.39	Link
Nut M2.5	€	0.02	1 unit	26	26	€	0.49	Link
Flat Washer M2.5	€	0.02	1 unit	4	4	€	0.10	Link
Allen Bolt Inox M3 12mm	€	0.04	1 unit	30	30	€	1.11	Link
Slotted Flat Head Bolt M3 30mm	€	0.05	1 unit	2	2	€	0.10	Link
Slotted Head Bolt M3 20mm	€	0.04	1 unit	8	8	€	0.29	Link
Slotted Flat Head Bolt M3- 6mm	€	0.02	1 unit	8	8	€	0.18	Link
Nut Inox M3	€	3.42	50 units	2	51	€	6.84	Link
Nylon Nut Inox MA3	€	0.08	1 unit	2	2	€	0.15	Link
Flat Washer M3	€	0.56	10 units	1	8	€	0.56	Link
Allen Full Threaded Bolt Inox M4 30mm	€	0.20	1 unit	2	2	€	0.40	Link
Nut M4	€	0.04	1 unit	6	6	€	0.22	Link
Flat Washer M4	€	0.42	10 units	1	4	€	0.42	Link

Grand Total	
€	285.34