

















Core Materials

Part ID	Picture	Item	Description	Source Link	Price	Quantity	Subtotal	Total
A		Arduino MKR Wifi 1010	Microcontroller	Arduino	\$32.81	1	\$32.81	
B		Dynamixel Shield for Arduino MKR Series	Servo driver board	Robotis	\$19.10	1	\$19.10	
C		Dynamixel XL330-M288-T	Servos	Robotis	\$23.90	12	\$286.80	
D		HNX330-N102 5pcs	Servo idle horn	Robotis	\$4.00	2	\$8.00	
E		FPX330-H101 4pcs Set	Servo hinge bracket	Robotis	\$9.80	2	\$19.60	
F		FPX330-S102 4pcs Set	Servo connector bracket	Robotis	\$8.70	3	\$26.10	
G		DC Buck Converter	Voltage converter	Amazon	\$13.49	1	\$13.49	
H		4Pcs 5mm Rigid Flange Shaft Coupling	To attach rods to the servo brackets	Amazon	\$9.49	1	\$9.49	
I		Lynxmotion Hexapod Foot Sensor (Pair)	Rubber sheaths for feet	RobotShop	\$17.95	2	\$35.90	
J		JST EHR-3	Servo communication link connector	Digikey	\$0.10	20	\$2.00	
K		SEH-001T-P0.6	Crimp socket for JST EH connector	Digikey	\$0.10	60	\$6.00	
L		LIPO Battery 7.4V 1100mAh 35C	Rechargeable batteries	Amazon	\$24.99	1	\$24.99	\$484.28

Bulk Materials

Part ID	Picture	Item	Description	Source Link	Price	Quantity	Subtotal	Total
M		50Pcs 5mm x 25mm Dowel Pin Shelf Support Pegs	Steel rods for feet	Amazon	\$8.99	1	\$8.99	\$58.96
N		22 AWG Wire	Electrical wire	Amazon	\$14.99	1	\$14.99	
O		421 Pieces M2 M2.5 M3 Male Female Hex Standoffs	Spacers to mount controller and buck converter	Amazon	\$22.99	1	\$22.99	
P		560 piece button head socket cap metric screws washers and nuts	Screws washers nuts	Amazon	\$11.99	1	\$11.99	
								\$543.24