

ITEM	PRICE
Libre SBC computer - Tritium H3-H5	\$35.00
Arduino Compliant ELEGOO MEGA R3	23
PWM Servo Motor Driver IIC	14
10 pack micro servo motors	20
Momentary switches	8
linear actuator 12v	33
pin cables for arduino and SBC	10
8 channel relay module	10
Microwave Radar Sensor	8
12v battery, rechargeable	20
12v to 5v step down converter	9
USB Speaker	13
VARIOUS SUPPLIES FOR BASE AND BODY CONSTRUCTION	\$150

## REASON NEEDED

MEDIA CONTROL AND AUDIO PLAYBACK

SERVO CONTROL - BOTTANGO ANIMATION

SERVER CONTROLLER FOR UP TO 16 SERVOS

SERVO MOTORS FOR EYES EARS MOUTH WING EXTENSION

FOR interactive sound playback soundboard

FOR WINGS OPENING AND CLOSING

FOR WIRING

FOR DC MOTOR CONTROL HEAD TURNING - MISC LIGHTS

FOR MOTION SENSING AT NIGHT AND DAY - INTERACTIVE

FOR SELF CONTAINED POWER

FOR SHARED BATTERY BETWEEN MICROCONTROLLER AND MOTORS

FOR INTERNAL AUDIO - BRIDGE TO PA MAYBE

FOR MATERIALS TO BUILD BODY AND PERCH

## LINK

[https://www.amazon.com/Libre-Computer-Tritium-Single-Heatsink/dp/B0BRZW3B74/ref=sr\\_1\\_9?crid=2D4C](https://www.amazon.com/Libre-Computer-Tritium-Single-Heatsink/dp/B0BRZW3B74/ref=sr_1_9?crid=2D4C)  
[https://www.amazon.com/ELEGOO-Compatible-Arduino-Projects-Compliant/dp/B01H4ZLZLQ/ref=sr\\_1\\_2\\_ss](https://www.amazon.com/ELEGOO-Compatible-Arduino-Projects-Compliant/dp/B01H4ZLZLQ/ref=sr_1_2_ss)  
[https://www.amazon.com/HiLetgo-PCA9685-Channel-12-Bit-Arduino/dp/B07BRS249H/ref=sr\\_1\\_1?crid=APK](https://www.amazon.com/HiLetgo-PCA9685-Channel-12-Bit-Arduino/dp/B07BRS249H/ref=sr_1_1?crid=APK)  
<https://www.amazon.com/DaFuRui-10PCS-Motor%E2%8C-Arduino-Helicopter/dp/B0CDGZ6CG6/ref=sxi>  
[https://www.amazon.com/gp/product/B083JWJPW5/ref=ppx\\_yo\\_dt\\_b\\_asin\\_title\\_o00\\_s00?ie=UTF8&th=1](https://www.amazon.com/gp/product/B083JWJPW5/ref=ppx_yo_dt_b_asin_title_o00_s00?ie=UTF8&th=1)  
[https://www.amazon.com/Actuator-Internal-Automotive-Industrial-50mm-15mm/dp/B09NDP9T68/ref=sr\\_1](https://www.amazon.com/Actuator-Internal-Automotive-Industrial-50mm-15mm/dp/B09NDP9T68/ref=sr_1)  
[https://www.amazon.com/dp/B0BYCKQV9J?ref=ppx\\_yo2ov\\_dt\\_b\\_fed\\_asin\\_title](https://www.amazon.com/dp/B0BYCKQV9J?ref=ppx_yo2ov_dt_b_fed_asin_title)  
[https://www.amazon.com/gp/product/B00KTELP3I/ref=ppx\\_yo\\_dt\\_b\\_asin\\_title\\_o02\\_s00?ie=UTF8&psc=1](https://www.amazon.com/gp/product/B00KTELP3I/ref=ppx_yo_dt_b_asin_title_o02_s00?ie=UTF8&psc=1)  
[https://www.amazon.com/RCWL-0516-Detection-Microwave-Raspberry-Detector/dp/B07GCHY9K6/ref=sr\\_1](https://www.amazon.com/RCWL-0516-Detection-Microwave-Raspberry-Detector/dp/B07GCHY9K6/ref=sr_1)  
[https://www.amazon.com/ML7-12-Battery-Mighty-Brand-Product/dp/B00K8V30D0/ref=sr\\_1\\_6?crid=3ITYE5](https://www.amazon.com/ML7-12-Battery-Mighty-Brand-Product/dp/B00K8V30D0/ref=sr_1_6?crid=3ITYE5)  
[https://www.amazon.com/DC12V-24V-Converter-Module-Adapter-Application/dp/B0B6NZBWV4/ref=sr\\_1\\_1](https://www.amazon.com/DC12V-24V-Converter-Module-Adapter-Application/dp/B0B6NZBWV4/ref=sr_1_1)  
[https://www.amazon.com/HONKYOB-Speaker-Computer-Multimedia-Notebook/dp/B075M7FHM1/ref=sr\\_1](https://www.amazon.com/HONKYOB-Speaker-Computer-Multimedia-Notebook/dp/B075M7FHM1/ref=sr_1)  
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