General BOM (other than some generic components)

Controller

Enclos	ure	LeMotech Project Box ABS Plastic IP65 Waterproof Dustproof Electrical Junction Box Outdoor Enclosure for Electronics Black 7.87 x 4.72 x 2.95 inch (200 x 120 x 75 mm)	Amazon
Power	Supply	MEAN WELL LRS-150F-15 150W 15V 10 Amp Single Output Switching Power Supply	Amazon
Relay		Gebildet JD1912 Car Relay Harness 12V 40A 4 Pin SPST Harness Sockets with Color-labeled Wires for Automotive Truck Van Motorcycle Boat (Pack of 2)	Amazon
Switch		DaierTek 12V Latching Push Button Switch 19mm ON Off Black Metal Pre-Wired 12 Volt Blue Led Light Illuminated Waterproof Button for Marine RV -8 Pack	Amazon
	or	WerFamily Angel Eye Blue LED 19mm Waterproof Black Shell Aluminum Alloy Self-locking Latching Push Button Switch 1NO 1NC	Amazon
AC pov	wer connector ut fuse		Aliexpress
Fuse		10PC Home Protection Inline Glass Tube Fuse Holder 5*20 /6*30MM 250V AC Screw Type Quick Blow Fuses with Wire CableWhite 5X20mm	Aliexpress
Fan		WINSINN 50mm Fan 12V, 3D Printer Micro 12 Volt Fans 5010 Dual Ball Bearing, Brushless Cooling 50mmx10mm 2PIN (Pack of 5Pcs	Amazon
Arduin Blynk i applica			Arduino blynk.io
	n sensor	DAOKI 5Pcs IR Human Sensor AM312 Mini Detector Module HC- SR312 Pyroelectric Infrared PIR Motion Automatic Detector DC 2.7 to 12V for Arduino 2 A1U2 wi	Amazon
Flat Ca	ble	Antrader IDC 1.27mm Grey Color Flat Ribbon Cable for 2.54mm Connectors, 20P-16Ft/5M	Amazon
USB ex	ktension cable	30cm 90 Degree Angle Elbow Micro USB 2.0 5Pin Male to Female Tape Panel Mounting Screw Hole Adapter Computer Extension Cable	Aliexpress
Panel i		5pcs 2.54MM IDC Type Box Header Male Headers 10/14/16/18/20/30/34/40/50 PIN Connector for 1.27mm Pitch Flat Cable	Aliexpress
	0 pin female connector	10PCS FC-6/8/10/12/14/16/18/20/30/40/50/64 PIN FEMALE HEADER IDC SOCKET CONNECTOR 2.54MM pitch FOR 1.27MM wire 6p 10p 20p 40P	Aliexpress
2x10 2 heade		10pcs dip 6/10/20/26/34/40 PIN 2.54MM pitch MALE SOCKET straight idc box headers PCB CONNECTOR DOUBLE ROW 10P/20P/40P DC3 HEADER	Aliexpress
Therm	istor	10K NTC Thermistor	Aliexpress
	n sensor	Nine to Nine 3.5mm Female Stereo Jack Panel Mount Connector	Amazon
conne		Pack of 10	
conne	n sensor ctor	3.5MM Male Stereo Cable Plug	
	0 connectors	GeeBat 300pcs 2.54mm KF2510 Connector Kit with KF2510	Amazon
		2.54mm Female Pin Headers Terminals, 2.54mm 2/3 / 4/5 /6 Pin Housing Connector Adapter Plug	
JST SM	1 connectors	OCR 2.5mm Pitch JST SM Connector 2 3 4 5 Pin Male/ Female	Amazon
		Housing Plug Connector Assortment Kit 560Pcs	

Level shifter	HiLetgo 5pcs TXS0108E High Speed Full Duplex 8 Way 8 Channel Level Conversion Module 8-Bit 8 CH Logic Level Bi-Directional Converter Module	Amazon
74LS125N		Aliexpress or Ebay
TIP120		Aliexpress
7805CV		Aliexpress
7805 heat sink		·
LEDs, dip sockets, resistors, ceramic capacitors, etc.	As noted on schematic	
Board	EasyEDA and JLCPCB	see Github repository files
Atmega328P-PU		Aliexpress or Ebay
16MHz crystal		Aliexpress
22pf capacitors		Aliexpress
L293D		Aliexpress
MAX487		Aliexpress
L7805CV		Aliexpress
6 pin Split Flap DIN	5PCS/Lot Big S Terminal DIN6 Female Socket Connector 6P PCB	
Connector	Panel Mount	Aliexpress
2x10 20 pin female	10PCS FC-6/8/10/12/14/16/18/20/30/40/50/64 PIN FEMALE	
cable connector	HEADER IDC SOCKET CONNECTOR 2.54MM pitch FOR 1.27MM	
	wire 6p 10p 20p 40P	Aliexpress
	10pcs dip 6/10/20/26/34/40 PIN 2.54MM pitch MALE SOCKET	
header	straight idc box headers PCB CONNECTOR DOUBLE ROW	
5.11. 6 .	10P/20P/40P DC3 HEADER	Aliexpress
Rubber feet	40pcs Square Rubber Feet Self-Adhesive Bumper Door Buffer Stop	A.I.
4.66 : 000	Furniture Pads	Aliexpress
1x6 6 pin PCB male	For in system programming	
header	As noted an schematic	
LEDs, dip sockets, resistors, ceramic	As noted on schematic	
capacitors, etc.		
Board	EasyEDA and JLCPCB	see Github repository files
Dould	Edge Draina section	see citiab repository mes

Amazon

USB Tiny ISP 6 pin programmer

Programmer

Remote board