

Type	Component name	Product description	Shop / Manufacturer	Local	URL	Unit price	Shipping	Product Amount	Product Total (excluding shipping)	Product Total (with shipping)
Commercial parts	20"20mm Aluminium Profile	Used to make the wheelbase frame	Seli	Yes	https://seli.tn/product/20x20-profile-aluminium-industriel-dk/	15,6	0	1	15,6	15,6
	40"20mm Aluminium Profile	Used to make the wheelbase frame	Seli	Yes	https://seli.tn/product/20x40-profile-aluminium-industriel-r6/	22,5	0	1	22,5	22,5
	SK16 Brackets	Used to mount the motor in place	Seli	Yes	https://seli.tn/product/sk16-support-d-arbre-en-aluminium-diam-16/	3,11	0	2	6,22	6,22
	UFL004 Bearings	Used to guide the shaft in rotation	Aliexpress	No	https://ar.aliexpress.com/item/1005007098430647.html	17,9	0	1	17,9	17,9
	ODESC 52V Driver	Used to drive the motor and process FFB Logic	Aliexpress	No	https://ar.aliexpress.com/item/1005005763345874.html	78	13,2	1	78	91,2
	STM32H743V1T6 Board	Used to control the ODESC board along with the game inputs	Aliexpress	No	https://ar.aliexpress.com/item/1005009563874211.html	11,55	4,05	1	11,55	15,6
	2000PPR Rotary Encoder	Used to determine the steering wheel's position	Aliexpress	No	https://ar.aliexpress.com/item/1005004387342695.html	15,35	7,82	1	15,35	23,17
	30-tooth 30mm pulley	Used to tie the encoder's shaft to the steering wheel shaft	Aliexpress	No	https://ar.aliexpress.com/item/1005008678109995.html	4,67	0	1	4,67	4,67
	Quick release mechanism	Used to mount the steering wheel to the wheelbase	Aliexpress	No	https://ar.aliexpress.com/item/1005009121231549.html	62,86	0	1	62,86	62,86
	GX12 Connector kit (M/F)	Used to connect input peripherals to the wheelbase	Tunisian Smart Innovation	Yes	https://tuni-smart-innovation.com/products/connecteur-male-et-femelle-gx	1,49	0	5	7,45	7,45
	120mm Fan	Used to cool the wheelbase's electronics	2BTrading	Yes	https://2btrading.tn/ventilateur-radiateur/z391-ventilateur-dc12v-034a-12v	10,73	0	1	10,73	10,73
	XT60M connector	Used to power the wheelbase	Cothings	Yes	https://cothings.net/products/connecteur-amass-xt60e-m-male	1,73	0	1	1,73	1,73
	Endstop switch	Game inputs	Cothings	Yes	https://cothings.net/products/copie-de-captreur-de-temperature-thermistar	0,45	0	2	0,9	0,9
	Pushbutton	Game inputs	Cothings	Yes	https://cothings.net/products/mini-bouton-poussoir-ronde-a-reinitiation-12v	0,86	0	8	6,88	6,88
	Hall effect sensor	Used to calibrate the wheel's initial position	Cothings	Yes	https://cothings.net/products/ky-024-captreur-a-effet-hall-analogique-pour	1,55	0	1	1,55	1,55
	36V 500W Power supply	Used to power the wheelbase	Aliexpress	No	https://ar.aliexpress.com/item/1005003923590693.html	50,53	10,49	1	50,53	61,02
	GT2-6 400mm belt	Used to connect the shaft pulley to the encoder pulley	2BTrading	Yes	Courroie GT2-6 400mm	3	0	1	3	3
	Seed XIAO RP2040	Microcontroller for the steering wheel	Aliexpress	No	https://ar.aliexpress.com/item/1005003682505451.html	4,78	4,52	1	4,78	9,3
	Steering Wheel	The actual steering wheel	Aliexpress	No	https://ar.aliexpress.com/item/1005009791304312.html	25,99	42,53	1	25,99	68,52
	TJA1051	CAN transceiver	Aliexpress	No	https://ar.aliexpress.com/item/1005005569468051.html	4,1	0	1	4,1	4,1
	12V Buck Converter	Used to power the fan	Aliexpress	No	https://ar.aliexpress.com/item/1005008597548688.html	2,6	0	1	2,6	2,6
	5V Buck Converter	Used to power the MCU and other peripherals	Aliexpress	No	https://ar.aliexpress.com/item/1005008597548688.html	2,6	7,28	1	2,6	12,48
	USB-C Female Connector	Used to connect the wheelbase to the computer	Aliexpress	No	https://ar.aliexpress.com/item/1005009695057393.html	11,62	0	1	11,62	11,62
	USB-C 90° cable	Used to transfer the USB connection from the PCB to the external connector	Aliexpress	No	https://ar.aliexpress.com/item/1005002708307702.html	6,4	4,79	1	6,4	11,19
	USB-C Breakout Board		Aliexpress	No	https://ar.aliexpress.com/item/1005004807492800.html	4,19	0	1	4,19	4,19
	JST-XH 4 Pin Connector	Used to make cable connections easier	Tunisian Smart Innovation	Yes	https://tuni-smart-innovation.com/products/connecteur-jst-xh2-54-4-broch	0,7	0	1	0,7	0,7
	JST-XH 3 Pin Connector	Used to make cable connections easier	Tunisian Smart Innovation	Yes	https://tuni-smart-innovation.com/products/connecteur-jst-xh2-54-3-broch	0,62	0	1	0,62	0,62
	JST-XH 2 Pin Connector	Used to make cable connections easier	Tunisian Smart Innovation	Yes	https://tuni-smart-innovation.com/products/connecteur-jst-xh-2-broches-n	0,49	0	1	0,49	0,49
	M2X10 Screw	Screw diameter = 2mm, length = 10mm	Already have		N/A	0	0	4	0	0
	M3x10 Screw	Screw diameter = 3mm, length = 10mm	Already have		N/A	0	0	8	0	0
	M3x16 Screw	Screw diameter = 3mm, length = 16mm	Already have		N/A	0	0	10	0	0
	M4x8 Screw	Screw diameter = 4mm, length = 8mm	Already have		N/A	0	0	8	0	0
	M4x16 Screw	Screw diameter = 4mm, length = 16mm	Already have		N/A	0	0	0	0	0
	M5x16 Screw	Screw diameter = 5mm, length = 16mm	Already have		N/A	0	0	6	0	0
	M5x36 Screw	Screw diameter = 5mm, length = 36mm	Already have		N/A	0	0	4	0	0
	M5x50 Screw	Screw diameter = 5mm, length = 50mm	Already have		N/A	0	0	6	0	0
	M6x20 Screw	Screw diameter = 6mm, length = 20mm	Already have		N/A	0	0	4	0	0
	M10x16 Screw	Screw diameter = 10mm, length = 16mm	Already have		N/A	0	0	2	0	0
	M3 Nut	Nut diameter = 3mm	Already have		N/A	0	0	4	0	0
	M10 Nut	Nut diameter = 10mm	Already have		N/A	0	0	2	0	0
M3 Aluminium Profile Nut	Nut for aluminium profiles, diameter = 3mm	Seli	Yes	https://seli.tn/product/ecrou-marteau/	0,1	0	4	0,4	0,4	
M4 Aluminium Profile Nut	Nut for aluminium profiles, diameter = 4mm	Seli	Yes	https://seli.tn/product/ecrou-marteau/	0,1	0	8	0,8	0,8	
M5 Aluminium Profile Nut	Nut for aluminium profiles, diameter = 5mm	Seli	Yes	https://seli.tn/product/ecrou-marteau/	0,1	0	4	0,4	0,4	
M6 Aluminium Profile Nut	Nut for aluminium profiles, diameter = 6mm	Seli	Yes	https://seli.tn/product/ecrou-marteau/	0,1	0	4	0,4	0,4	
Table clamps (x2)	Used to mount the wheelbase on the table	Aliexpress	No	https://ar.aliexpress.com/item/1005006458478718.html	47,8	8,28	1	47,8	56,08	
Hoverboard motor	Used to provide force feedback	Facebook Marketplace	Yes	N/A	19	0	1	19	19	
			TOTAL						450,31	553,27
PCB	Wheelbase PCB	Holds the various electronic components without the need for wiring	JLC PCB	No	N/A		2	21,91	1	2
Aluminium machined parts	Front plate		JLC CNC	No	N/A	8,72			1	8,72
	Back plate		JLC CNC	No	N/A	10,63	49,48		1	10,63
	Paddle (x2)		JLC CNC	No	N/A	3,94			1	3,94
				GRAND TOTAL						475,6