

# Cost of small-scale TOS production...

The given numbers are for one unit.

**Electronic components: 70€**

(The picture to the right -> is the offer from a local supplier. This offer is given in Serbian dinars and for two units. So, I halved the asking price and converted into euros.)

**Raspberry pi: 52€**

(can maybe get away with a rpi zero?)

<https://www.malina314.com/proizvod/raspberry-pi-4-2gb-ram/>

**Mechanical components: 50€**

(thought of a better way to the case, it's going to be partly build with 3D printed parts and the main box will be a project box. This is basically it:

<http://www.proelectronic.rs/Kutije/Plasti%C4%8Dne/12590-PLASTICNA%20KUTIJA%20KP-30> but it will of course look better when all the things are mounted. Plus, its not glossy... which I didn't like with the last design. So, we would in essence have different 3D-printed mounting brackets inside for all of the things.)

**Power supply: 70€**

[http://www.sahel.rs/sa-0100-720.html?\\_\\_\\_SID=U](http://www.sahel.rs/sa-0100-720.html?___SID=U)


**PCB Manufacturing: 10.8€**

(It actually costs 54€ however, thats 5 pieces. Can only order 5 pieces at a time. This is one area we can lower the costs to if you want, to 7€ per board. The additional cost is 2oz of copper instead of 1oz.)

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**Cost per board: 252,8€ (we need to get 5 boards, so actually: 296€)**

**Labor per unit: 150€**

**Total for two units to be built: 838€**



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Tiskao račun: 285-2010310006508-31  
Računski broj: 08747784  
Registarski broj: 22306747784  
Šifra osnivača: 9521  
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PREDRAČUN

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Mesto izdavanja predračuna Novi Sad  
Datum izdavanja predračuna 02.04.2021.

PIB: 112400638  
Matični broj: 66078191

RB	ARTIKAL	JM	Kol.	Cena	Rabat	Neto	Poreska	Por.	Obracunat	Ukupno sa
					%	cena	osnova	Stopa	PDV	PDV
1	9187-40L2	kom	4	207.00	0	207.00	828.00	20	165.60	963.60
2	1M20755X-E-01NOPS	kom	2	812.00	0	812.00	1624.00	20	324.80	1948.80
3	LETVICA-401F	kom	4	19.33	0	19.33	77.32	20	15.46	62.78
4	100UF-18VSMD	kom	8	8.00	0	8.00	64.00	20	12.80	76.80
5	CAP-EL 15UF (85C0802H0002)	kom	10	36.43	0	36.43	364.30	20	72.86	437.16
6	CAP-0.47UF	kom	2	30.23	0	30.23	60.46	20	12.09	72.55
7	CAP-0.01UF	kom	2	30.23	0	30.23	60.46	20	12.09	72.55
8	CAP-EL 180UF (25volts 180UF SMD)	kom	4	63.69	0	63.69	254.76	20	50.95	305.71
9	CR0805A9H-1H	kom	2	120.09	0	120.09	240.18	20	48.04	268.22
10	B560CQ-13F	kom	5	76.19	0	76.19	380.95	20	76.19	457.14
11	LED SMD 0805R OSR50805C1E	kom	6	4.00	0	4.00	24.00	20	4.80	28.80
12	TR3216FF30-R	kom	2	157.86	0	157.86	315.72	20	63.14	378.86
13	5408-KH-AULP-XSN	kom	22	40.16	0	40.16	803.52	20	176.70	1000.22
14	10081121	kom	20	232.32	0	232.32	4646.40	20	929.28	5575.68
15	53283-0370	kom	10	26.42	0	26.42	264.20	20	52.84	317.04
16	60B-PH-K-SILF(SN)	kom	6	27.72	0	27.72	138.53	20	33.26	169.58
17	1984611	kom	10	58.08	0	58.08	580.80	20	116.16	696.96
18	7443551221	kom	2	470.18	0	470.18	940.36	20	188.07	1128.43
19	23TF1360	kom	15	50.68	0	50.68	760.20	20	152.04	912.24
20	ATP106-TL-H	kom	5	114.85	0	114.85	574.25	20	114.85	689.10
21	R0805-1K/10	kom	20	0.57	0	0.57	11.40	20	2.28	13.68
22	R0805-10K/10	kom	10	0.57	0	0.57	5.70	20	1.14	6.84
23	USB-A-B-RA-TSMT	kom	10	83.05	0	83.05	830.50	20	166.10	996.60
Zbir sa PDV:										16749.36
Rabat:										0.00
PDV osnova:										13957.80
Obracunat PDV:										2791.56
Ukupna vrednost:										16749.36
ZA UPлатU:										16749.36

Slovima: šesnaest hiljada sedamsto trinaest i sedamdeset din. i 36/100  
Predračun je izdat prodajno  
Opcija plaćanja: 1 dan

ZA ORBIT Electronics  
9. July