STM32 GPSDO - Bill Of Materials (BOM)

Quantity	Description	Approx. Price €	Supplier
1	10MHz 5V square wave OCXO, used *	10.00	AliExpress
1	U-blox Neo-M8 GPS module with antenna and external antenna SMA connector	7.50	AliExpress
1	WeAct STM32F411CEU6 "Black Pill" (make sure it's a genuine one!)	6.00	AliExpress
1	Breadboard or protoboard **	4.00	AliExpress
1	MCP4725 12-bit I2C DAC module	0.50	AliExpress
1	0.96" 128x64 SSD1306 OLED Display ***	2.00	AliExpress
1	BMP280 SPI/I2C atmospheric pressure / temperature sensor module ***	1.00	AliExpress
1	INA219 current / voltage sensor module ***	3.00	AliExpress
1	AHT-10 I2C temperature / humidity sensor module ***	0.50	AliExpress
1	HC-06 Bluetooth module ***	3.00	AliExpress
1	GPS antenna with SMA connector ***	4.00	AliExpress
1	9V 1A power brick, LM7805, LM78L33 ***	5.00	AliExpress
x	5mm LED, decoupling capacitors, a few 1/4W resistors	1.00	AliExpress
1	Case ***	5.00	AliExpress

* : These are recycled from decommissioned telecom equipment, and sometimes come still soldered to a piece of PCB.

** : A custom PCB will be available ASAP.

*** : Optional but recommended