

Part #	Part Name	Description	Revision	Qty	Supplier	also available from	Units	Unit Cost	Max Cost	Real Cost
1	Raspberry Pi 4 model B	Raspberry Pi to control the entire system	1	1	<a href="https://raspp.nl/raspberry-pi-4-m">pi4-modbp-4gb/raspp.nl/raspberry-pi-4-m</a>		each	€ 50.57	€ 189.95	€ 189.95
2	Raspberry Pi T-Cobbler + GPIO Flat Cable	Breakout board for Raspberry Pi	1	1	<a href="https://leerde-pi-t-cobbler-bb40-01/raspberry-pi-t">leerde-pi-t-cobbler-bb40-01/raspberry-pi-t</a>		each	€ 9.95	€ 9.95	€ 9.95
3	Raspberry Pi 15W USB-C Power Supply	To supply the Raspberry Pi with power	1	1	<a href="https://berry-pi-4-usb-c-po10/230-raspberry-pi-15">berry-pi-4-usb-c-po10/230-raspberry-pi-15</a>		each	€ 9.95	€ 9.95	€ 9.95
4	Magnetic lock	To lock the door	2	1	<a href="https://it.nl/product/push-n/nl/jf-0530b-dc12v-5">it.nl/product/push-n/nl/jf-0530b-dc12v-5</a>		each	€ 6.20	€ 6.20	€ 6.20
5	Break Beam Sensor	To detect mail / packages	2	2	<a href="https://straal-detector-5ml/product/ir-break-bea">straal-detector-5ml/product/ir-break-bea</a>		each	€ 8.95	€ 17.90	€ 17.90
6	NFC Reader	As a key to open the mailbox	1	1	<a href="https://n/products/mifare-ct/RC522-RFID-Reader">n/products/mifare-ct/RC522-RFID-Reader</a>		each	€ 4.65	€ 4.65	€ 4.65
7	Magnet sensor (reed schakelaar)	To detect if the mailboxdoor is open or closed	1	1	<a href="https://roduct/reedschake_1-reedcontact-1x-no-1">roduct/reedschake_1-reedcontact-1x-no-1</a>		per five	€ 2.85	€ 2.85	€ 2.85
8	LCD	To give some info like IP address and to display temperature	1	1	<a href="https://m/nl/grove-16x2-lcproduct/16x2-karakters">m/nl/grove-16x2-lcproduct/16x2-karakters</a>		each	€ 5.55	€ 5.55	€ 5.55
9	DS18B20	To measure the temperature inside the mailbox	3	1	<a href="https://emperature/lilygo-ttgo-waterproof-ds18k">emperature/lilygo-ttgo-waterproof-ds18k</a>		each	€ 4.50	€ 4.50	€ 4.50

10	Button	To shutdown the Pi	1	1	<a href="https://www.parts.nl/Mini_druk1/schakelaars-knoppe">parts.nl/Mini_druk1/schakelaars-knoppe</a>	each	€ 0.15	€ 0.15	€ 0.15
11	Breadbord	To wire everything	1	2	<a href="https://www.product/breadboard-n/nl/830-punt-breadb">product/breadboard-n/nl/830-punt-breadb</a>	each	€ 4.35	€ 9.20	€ 8.70
12	Level Shifter	To ensure the neopixel rgb doesn't cause damage to the raspberry pi	3	1	<a href="https://www.len/level-converters/spi-i2c-uart-bi-direct">len/level-converters/spi-i2c-uart-bi-direct</a>	each	€ 1.50	€ 1.50	€ 1.50
13	LDR	To turn the RGB on when it's dark outside	2	1	<a href="https://www.m/nl/lichtgevoeligproduct/gl5528-ldr-lic">m/nl/lichtgevoeligproduct/gl5528-ldr-lic</a>	each	€ 1.95	€ 1.95	€ 1.95
14	NeoPixel Led Strip	To light the house number of the mailbox	3	1	<a href="https://www.rings-and-modules/ws2812-digital-5050-r">rings-and-modules/ws2812-digital-5050-r</a>	each	€ 2.50	€ 2.50	€ 2.50
15	PCF8574P	To use the LCD	3	1	<a href="https://www.and-microcontroller-chips/ics/pcf8574p-i">and-microcontroller-chips/ics/pcf8574p-i</a>	each	€ 2.50	€ 2.50	€ 2.50
16	MCP3008	To use the LDR	3	1	<a href="https://www.-microcontroller-chips/ics/mcp3008-8-ch">-microcontroller-chips/ics/mcp3008-8-ch</a>	each	€ 4.00	€ 4.00	€ 4.00
17	Potential meter	To set the contrast of the LCD	3	1	<a href="https://www.ents/resistors/potentiometers/10k%CF%">ents/resistors/potentiometers/10k%CF%</a>	each	€ 0.50	€ 0.50	€ 0.50
18	Resistors Set	To wire everything	3	1	<a href="https://www.onents/resistors/resistors/10%CF%89-1m">onents/resistors/resistors/10%CF%89-1m</a>	each	€ 5.00	€ 5.00	€ 5.00
19	Wires	To wire everything	1	1	<a href="https://www.rduino/11445/1454bruggen-voor-breadb">rduino/11445/1454bruggen-voor-breadb</a>	each	€ 5.29	€ 5.29	€ 5.29
	Total			21		each		<b>€ 284.09</b>	