

# Packing List Morserino-32

## All Kits:

Qty	Item
1	PCB (with SMD parts prepopulated)
1	Bag with components (pink) (see below)
1	Heltec ESP32 Wifi LoRa module (preprogrammed that's why the bliste package is cut open; the firmware version (not the hardware version!) is hand-written on the package)

### Bag with components (pink; contains 18 items)

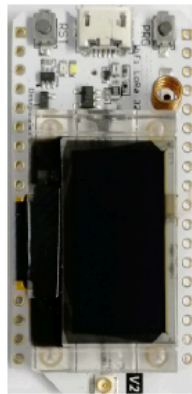
Qty	Item
1	Rotary Encoder
1	Knob for Rotary Encoder (black)
1	Push Button Switch
1	Cap for Push Button Switch (red)
1	Trimmer potentiometer (blue)
1	Sliding Switch (grey/dark red)
1	Phone jack 2-poles (biggish)
1	Phone jack 4-poles (small)
2	Phone Jack 3-poles
1	Loudspeaker
2	Female Pin Header, 18-poles
1	DC cable (red/black) with connector (tiny)
1	DC cable (red(black) with connector (large)
1	Antenna Cable Assembly (IPX – SMA female)
2	Paddles (PCB material black, golden edge connector)`

In the following picture you see these components with the exception of the PCB, the paddles and the black knob:

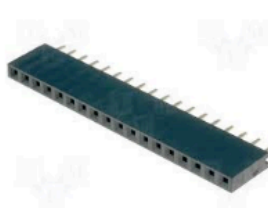
Rotary Encoder



Heltec Module



Female pin header



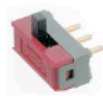
Loudspeaker



Trimmer resistor



Sliding switch



Push button switch



Red cap



Phone jack 2 poles



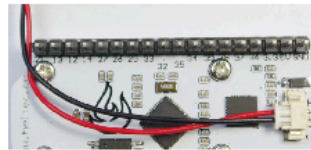
Phone jack 4-poles



Phone jack 3 poles



DC cable with 1.25 mm JST plug



DC cable with Molex connector



Antenna cable assembly



**The following only when ordered with case & antenna:**

---

Qty	Item
1	Bottom plate (acrylic glass)
1	Top plate (acrylic glass, engraved)
1	Bag with hardware & antenna (clear -see below)

### **Bag with hardware / antenna (clear; 25 items)**

Qty	Item
1	Antenna, with SMA male connector
4	Stand-off Bolts, black nylon, 15mm, female/female M3
4	Stand-off Bolts, black nylon, 6mm, male/female M3
4	Stand-off Bolts, black nylon, 12mm, male/female M3 *)
8	Black anodized Screws (hex socket) 6mm M3
4	Self-adhesive plastic feet
1	2mm hex wrench

\*) You use either 6 mm or 12 mm stand-offs – see assembly instructions!