# Beagleboard

## Ingredients (essential or strongly recommended)

| Quantity | item | notes | price |
|---|---|---|---|
| 1 | Beagleboard | Revision C4  From Digi-Key in USA online: uk.digikey.com or  www.digikey.com , also freephone number | $149 + £27.06 (customs/VAT?) |
| 1 | A 5V DC regulated power supply of at least 2 amps | From Maplin: Code L45BL | £20 approx. |
| 1 | 7-port powered hub | From Maplin: vertical (horizontal cheaper) | £25 approx. |
| 1 | SD card | 2GB or any size as you only put < 10MB on it.  Must plug directly into BB. | £10 for 2GB |
| 1 | USB memory stick | Functions as your hard drive. (⩽256GB ?) | £15 for 4GB SanDisk |
| 1 | USB keyboard | any? may be better if RISC OS compatible | £10 to £15 approx. |
| 1 | USB mouse | 3-buttons or 2-button scroll if scroll wheel clickable | £6 to £20 approx. |
| 1 | monitor with digital input | BB has HDMI socket | I paid £184 + delivery (£11.69) for an Iiyama |

## Other ingredients (optional)

| Quantity | item | notes | price |
|---|---|---|---|
| 1 | USB 2 fast ethernet adaptor | Lindy, NewLink, LogiLink are claimed to work (CJEMicro's) | £20 approx. |
| 1 | case | Recommended. Special Computing at specialcomp.com/beagleboard | $29 + customs/VAT? |

## Notes

Power supply

The plug needs to be the one with Inner Diameter = 2.1mm, Outer Diameter = 5.5mm (length = 9.5mm).
*The power supply should be connected to the BB after the monitor is powered up*.

USB memory stick

This needs to be ADFS formatted. Use SCSIform and accept all the default choices, but make it bootable. When given options A, B, C and D at the end, choose A i.e. no further changes. Then stick it in the hub.

SD card

You have to save the boot script on here plus the Beagleboard RISC OS 5 ROM (free from ROOL website). Make sure you give them the right filenames before copying to the card. Then stick it in the BB.

Monitor

Monitor must have either an HDMI socket or DVI-D socket. then need corresponding cable. *The power supply should be connected to the BB after the monitor is powered up*.