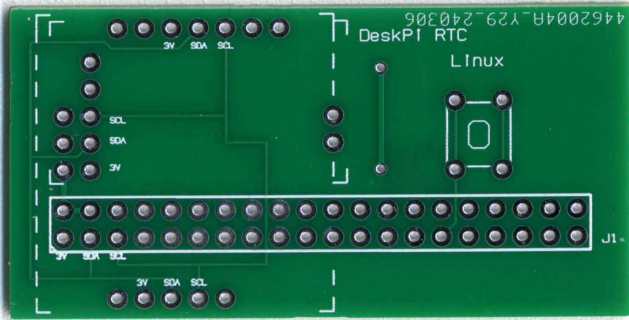


# On show at Wakefield

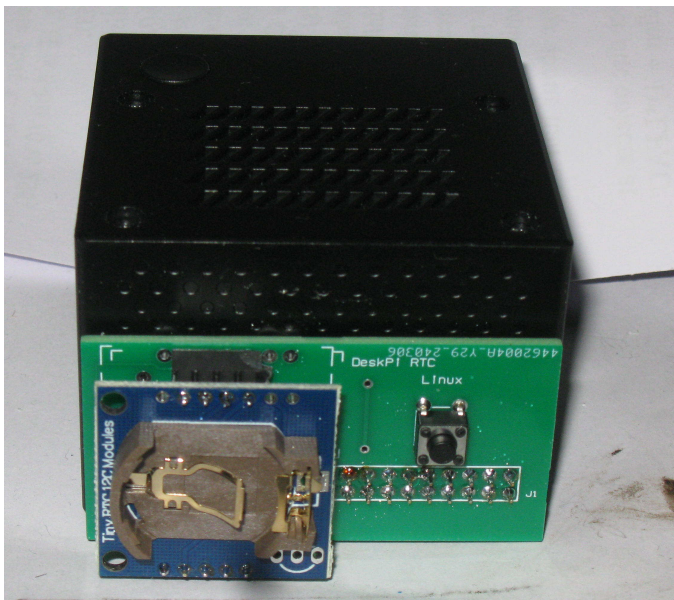
## Background

The DeskPi does have an internal RTC but it is inaccessible to RISC OS. So here's a custom-built circuit board on which a RTC can be mounted.



It is designed to take one of the various RTC boards available:

- ① CJE 6-pin DIL (DS 1338) £13.00
- ② DS3231 5-pin SIL ebay £ 2.05
- ③ Seeed DS1307 10-pin DIL \* £ 4.40
- ④ DS1307 5,7-pin SIL \*\* 5 for £ 4.56
- \* batteries extra CR1225 5 for £ 2.79
- \*\* batteries extra LIR2032 10 for £ 9.60



Here it is shown with the DS1307 5,7-pin SIL RTC board fitted. A rechargeable LIR2032 will keep it going for about a year.

Using a specially extended 40 pin header socket and short feather headers I can obtain the parts for this board quite economically:

Component	Source	Qty ordered	Qty used	Price
Circuit board	JLC China	10 for £6.87	1	£0.69
40-pin riser header	Pi Hut	10 @ £1.70 ea.	1	£1.70
Short feather skts	Pimoroni	12-pin + 16-pin @ £1.50	0.4	£0.60
Short feather plug	Pimoroni	28-pin @ £0.66	2/7 ths	£0.19
DS1307 RTC board	Ebay	5 for £4.56	1	£0.91
PCB push button	Pi Hut	10 for £2.20	1	£0.22
LIR2032 battery	Amazon	10 for £9.60	1	£0.96
<b>Total</b>				<b>£5.27</b>

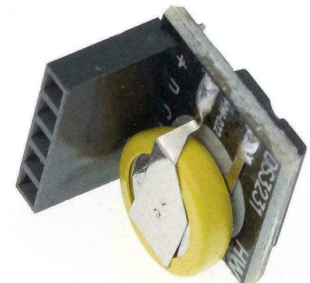
I'll have some assembled boards on sale at Wakefield for £20, including rechargeable battery and RTC module. Also some kits which just require soldering for £15.

Also on show at Wakefield will be a Pinebook Pro with on-board WiFi.

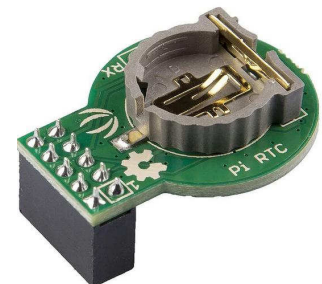
- ① CJE RTC 6-pin DIL (DS 1338) CR1620 battery included.



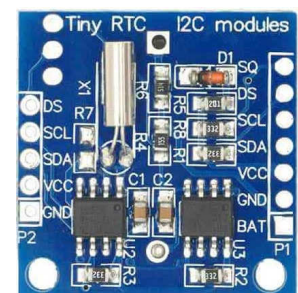
- ② DS3231 5-pin SIL RTC battery included.



- ③ Seeed DS1307 RTC 10-pin DIL requires CR 1225 battery



- ④ DS1307 RTC requires LIR2032 battery





Here we have a Waveshare IO board with 4GB CM4 with eMMC, 4 USB sockets, 2 HDMI sockets, Ethernet socket, a Sabrent 512GB NVMe drive, connected securely using WiFi.

## Impression User Manual



*Impression User Manual - 370 pages printed in full colour covering Impression Style, Publisher and Publisher Plus. £25 including a download link for Impression Publisher Plus 5.13 courtesy of ROD.*

## Guide to the Impression Suite



- Installation of Impression-X and Style
- Linking vector graphic images
- An Equation editor – Equasor
- A table editor – TableMate
- A dictionary and thesaurus – WordWorks (also known as HyperView)
- A separation curve editor – SepEd2



<http://www.riscosdev.com/>  
[info@riscosdev.com](mailto:info@riscosdev.com)

*Guide to the Impression Suite - 160 pages printed in full colour. £12*