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Thermal Receipt Printer Guts

PRODUCT ID: 2753

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DESCRIPTION

TECHNICAL DETAILS

DESCRIPTION

Add printing capability to any microcontroller project with **just the innards of a thermal printer.** Thermal printers are also known as receipt printers, they're what you get when you go to the

ATM or grocery store. Now you can embed a little printer of your own into a custom enclosure of your choosing. This printer is ideal for interfacing with a microcontroller, you simply need a 3.3V-5V TTL serial output from your microcontroller to print text, barcodes, bitmap graphics, even a QR code!
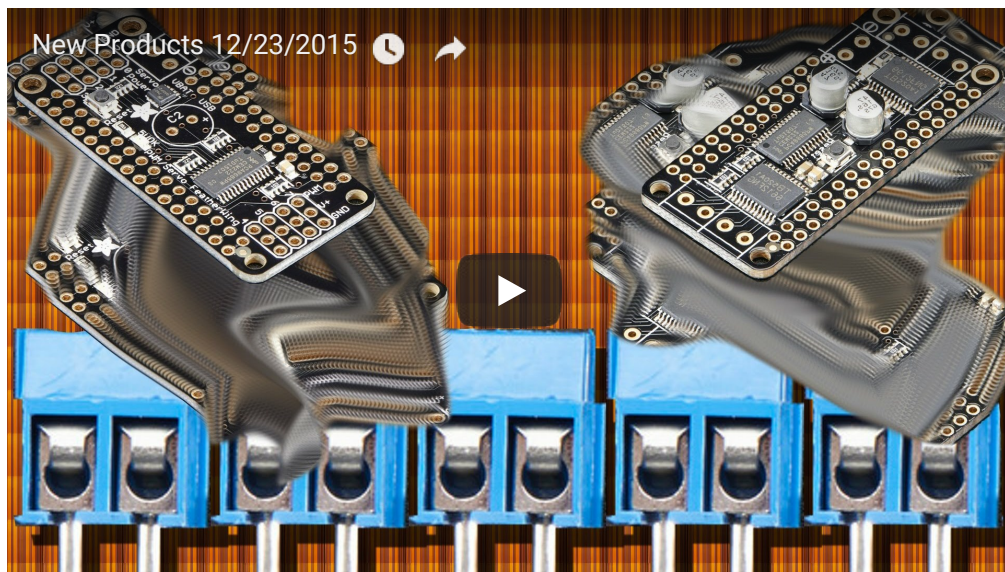
This is the super hackable version! All that's included is the guts of a thermal printer: the motor/heater with a flex cable and a control board with a chip that will take your serial commands and use them to drive the motor & heater. You also get a TTL cable and a 33' roll of thermal paper. You'll likely want to design some sort of enclosure for it, especially since its a little challenging to line up the paper so it feeds through straight. That said, because there's no paper bay you can use as little or as much paper as you like, heck you can even feed in a mobius strip!

To power it, supply the VH pin with 5-9VDC. 5V can be a little dim, 7.5V-9VDC will give you nice dark printing.

We really like this printer because its easy to make **Bold,** underline, inverted text, variable line spacing, left/center/right justification, barcodes in 11 standard formats with adjustable height, and even **custom bitmap graphics.**

Of course, we wouldn't leave you with a datasheet and a "good luck!" - We have a full tutorial and matching Arduino library that demonstrates the following:

- Printing with small, medium and large text
- **Bold** and underline text
- Inverted text
- Variable line spacing
- Left, center and right justification
- Barcodes in the following standard formats: **UPC A, UPC E, EAN13, EAN8, CODE39, I25, CODABAR, CODE93, CODE128, CODE11** and **MSI** - with adjustable barcode height
- Custom monochrome bitmap graphics!
- How to include a QR code

TECHNICAL DETAILS

- Rated Power Voltage: 5-9VDC
- Suggested Power Voltage: 7.4VDC
- Max Current draw: 2.5A (spike)
- TTL Serial Interface
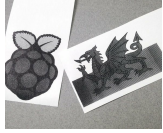

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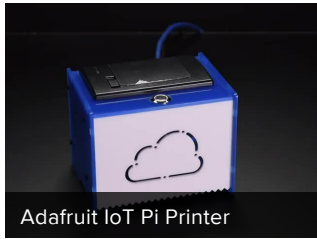Mini Thermal Receipt Printer
Print receipt paper from a little printer

Networked Thermal Printer using Raspberry Pi and CUPS
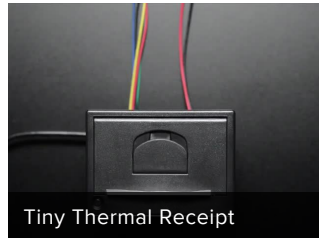Thermal printer results like you've never seen...

Instant Camera using Raspberry Pi and Thermal Printer
Pixelated photo DIY chic

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