UP! Mini SmoothWare upgrade

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Summary

Upgrade the original non-functional UP! Minis to a new CPU board that supports SmoothWare.

This series of printers has a fault that distroys the original CPU board over time, rendering the machine non-functional.

A board is made by tinyfab.xyz to replace the original and allow open firmware.

Photos

Links

Primary links:

- https://www.tinyfab.xyz/cpu-support
- https://www.thingiverse.com/thing:1655144
- http://www.geoffwilliams.me.uk/3d_printing/up3d_gcode_upgrade
- https://github.com/tinyfab/Smoothieware

Secondary:

- https://www.google.com/search?tbm=isch&q=up!+cpu+board+tinyfab
- https://www.ebay.com/itm/USB-ONLY-GCODE-CPU-for-Tiertime-UP-plus-mini-cetus-3D-printer-by -tinyfab-/222439745965

Notes

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getting started guide
https://drive.google.com/file/d/0BxnykIRpb264OUFSVnZoWVVzblU/view?pref=2&pli
=1

Please save the config file to the sd card in the printer, the printer will
appear as a removable drive when plug in to a PC.

Cetus, Up mini, UP plus 1/2 configuration file
https://drive.google.com/open?id=0BxnykIRpb264MFRhR2YydENKLWM
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Currently heated bed control is through g42/g43 to switch on/switch off, we need to put this control in as part of the "up mini" slicer settings