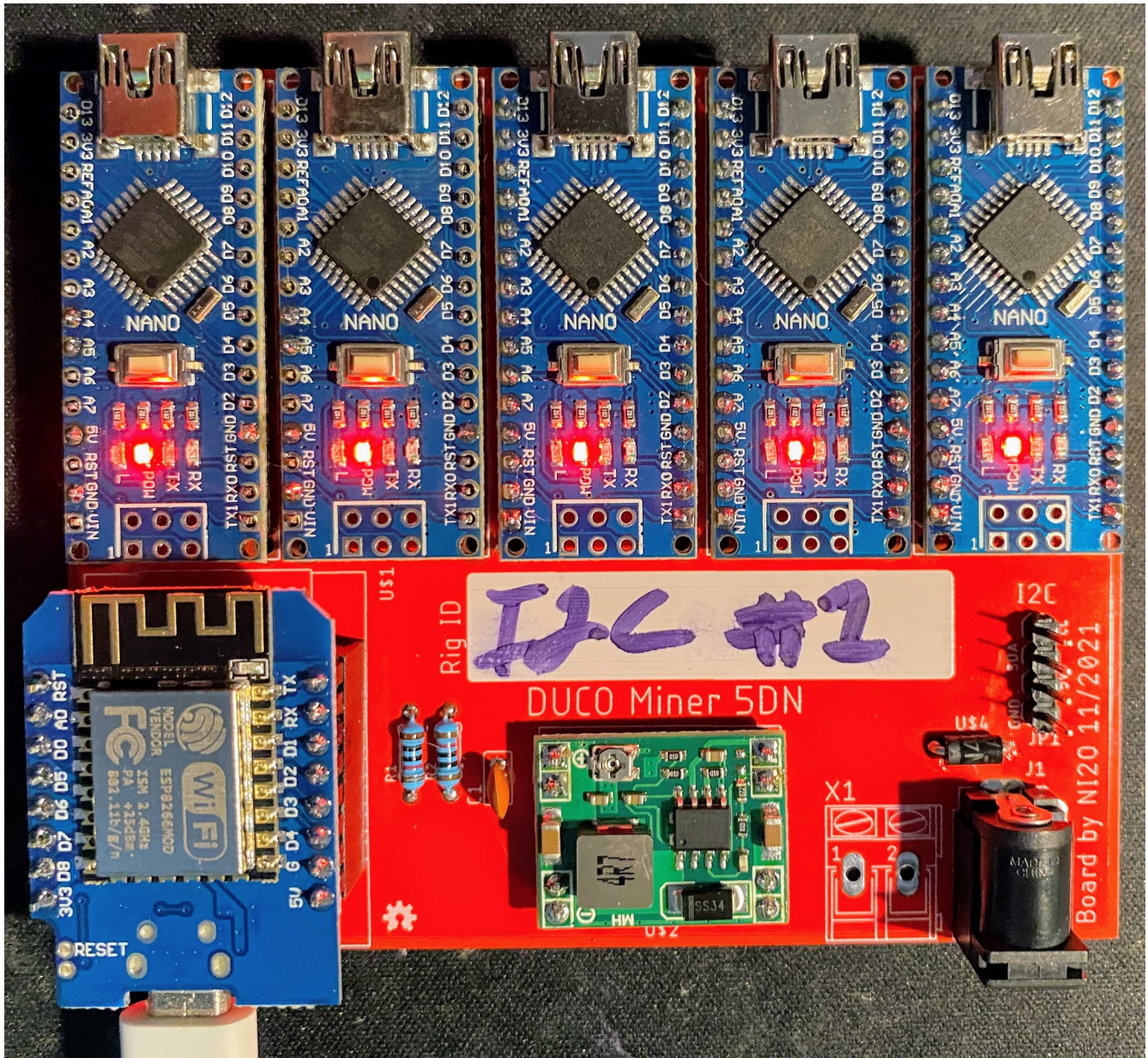


DUCO Miner 5DN

Installation notes



January 2021 V1.0

Thank you for purchasing the DUCO Miner 5DN.

The DUCO Miner 5DN is comprised of the following components;

- Up to 5 Arduino Nano V3 micro controller boards,
- 1x Wemos D1 micro controller board with WiFi
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- 12V power supply

The Miner is an standalone WiFi/I2C based miner. It will not identify itself to desktop software as a USB or similar mining tool.

Power for the Miner can be supplied either by a external 9-18VDC power supply or by attaching a USB cable to the Wemos micro controller.

Your DUCO Miner 5DN will mine Duino Coin at a rate of around 220H/s per dedicated micro processor. Before using your Miner you will be required to program the Wemos D1 with the latest sketch including your WiFi and DUCO network credentials.

Upon application of power your Miner will attempt to access your WiFi and then download work units for the Nano boards to work on. It will return the results of this work when complete and start over again.

Firmware updates can be found here

- <https://github.com/JK-Rolling/DuinoCoinI2C>

From time to time it may be necessary to update the firmware in the Arduino Nano micro controllers. The above link will also provide that firmware. Should any of the micro controllers fail during the service lifetime of your Miner simply remove it and install another with the firmware from the link above.

Supplied on the pre-built Miners is a 12v DC-DC power supply. It has already been set to output 4.8vDC to the attached micro controllers. If you are building this from a kit then it will be required to set the voltage of the DC-DC power supply BEFORE installing any micro controllers. Install the power supply and its support components and then insert the probes of a voltage meter into the “VTEST” holes on the PCB. Set the required voltage by adjusting the small potentiometer on the power supply unit until the output is around 4.8vDC