

# Papyr

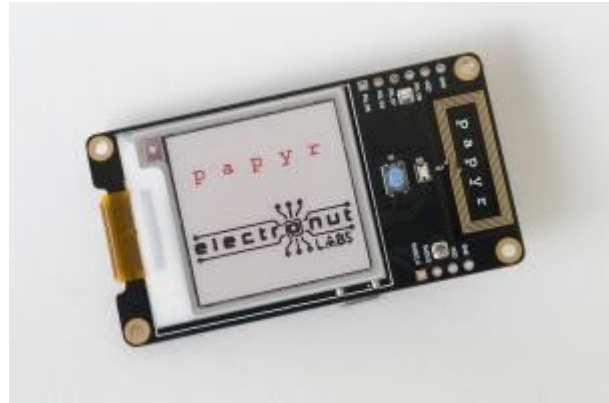
7th Feb, 2019

## Description

Papyr is an ultra low power Nordic nRF52840 based e-paper display.

## Features

- BLE 5/Mesh/Thread/Zigbee support
- Image transfer via mobile app
- BLE/MQTT support via mobile app



## Hardware Specifications

- Raytac MDBT50 module with Nordic nRF52840 BLE/802.15.4 SoC
- 1.54 inch 200x200 pixel red/black/white epaper display
- CR2477 coin cell holder
- Micro USB (device)
- RGB LED
- NFC (PCB) antenna
- Push button
- USB/Battery power switch
- Extra GPIOs
- SWD Programming header
- Mounting holes

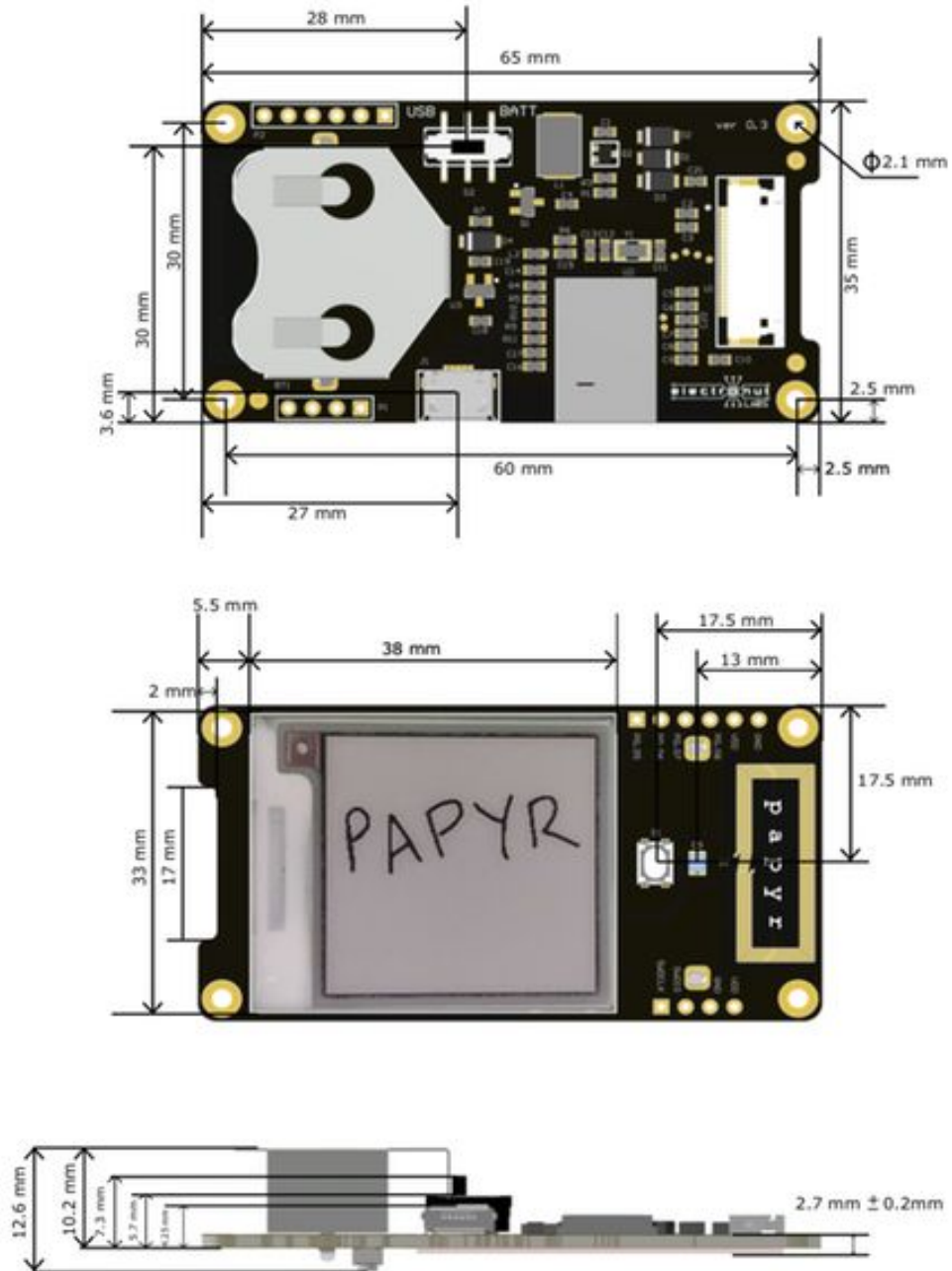
## Operating specifications

<b>Input Voltage Range</b>	Vbat 1.8V to 3 V or USB
<b>Current Consumption</b>	5uA (in deep sleep) , 22 uA (with default firmware)
<b>Temperature ratings</b>	0°C to 40°C

## Purchase Info:

Email [info@electronut.com](mailto:info@electronut.com) for ordering information.

### Board Dimensions:



### References

1. Visit [Electronut Labs Docs](#) for getting started with Papyr.
2. Download the android mobile app [here](#)