SETTING UP YOUR BADGE

The GPN-Badge comes with a precharged Lithium Ion Battery. Be sure to follow the safety warnings:

README

The GPN-Badge comes with a precharged Lithium Ion Battery. Be sure to follow the safety warnings:

Do not connect the positive terminal and negative terminal of the battery to each other with any metal object (such as wire).

Do not carry or store the Badge together with necklaces, hairpins or other metal objects.

Do not pierce the battery with nails, strike the battery with a hammer, step on the battery or otherwise subject it to strong impacts or shocks.

Do not expose the Badge to water or salt water, or allow the battery to get wet.

The GPN-Badge is not designed to be reverse-polarity protected! Please double-check the battery polarity before plugging it in.

The Lithium-Ion cell or the Badge may get hot, explode or ignite and cause serious injury if exposed to abuse conditions.

The GPN-Badge is sold without any warranty.

HACK THE BADGE

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SPONSORS

We would like to thank our partners for providing the following parts:

BOSCH

Bosch Sensortec GmbH
BNO055 9-axis IMU

乐鑫信息科技
ESPRESSIF SYSTEMS

Espressif Systems
ESP8266 WiFi SoC

Works as intended?

17. Gulaschprogrammiernacht

GPN BADGE GETTING STARTED

Everything you need to know about your Badge.

https://github.com/entropia/gpn17-badge https://twitter.com/GPN17Badge https://entropia.de/GPN17:Badge

THE GPN BADGE

YOUR SMART COMPANION

After 3 months of development, the GPN Badge finally became a reality. This small peace of electronics will accompany you during the next four days. Here is a overview of what makes the GPN Badge so powerful.

EXPANSION HEADER

The USB connector is used to programm, charge and configure your Badge. Simply plug it into your Laptop or wall charger to charge your Badge with 500mA. To reduce charging time, bridge the solder jumper.

ESP8266 WiFi SoC

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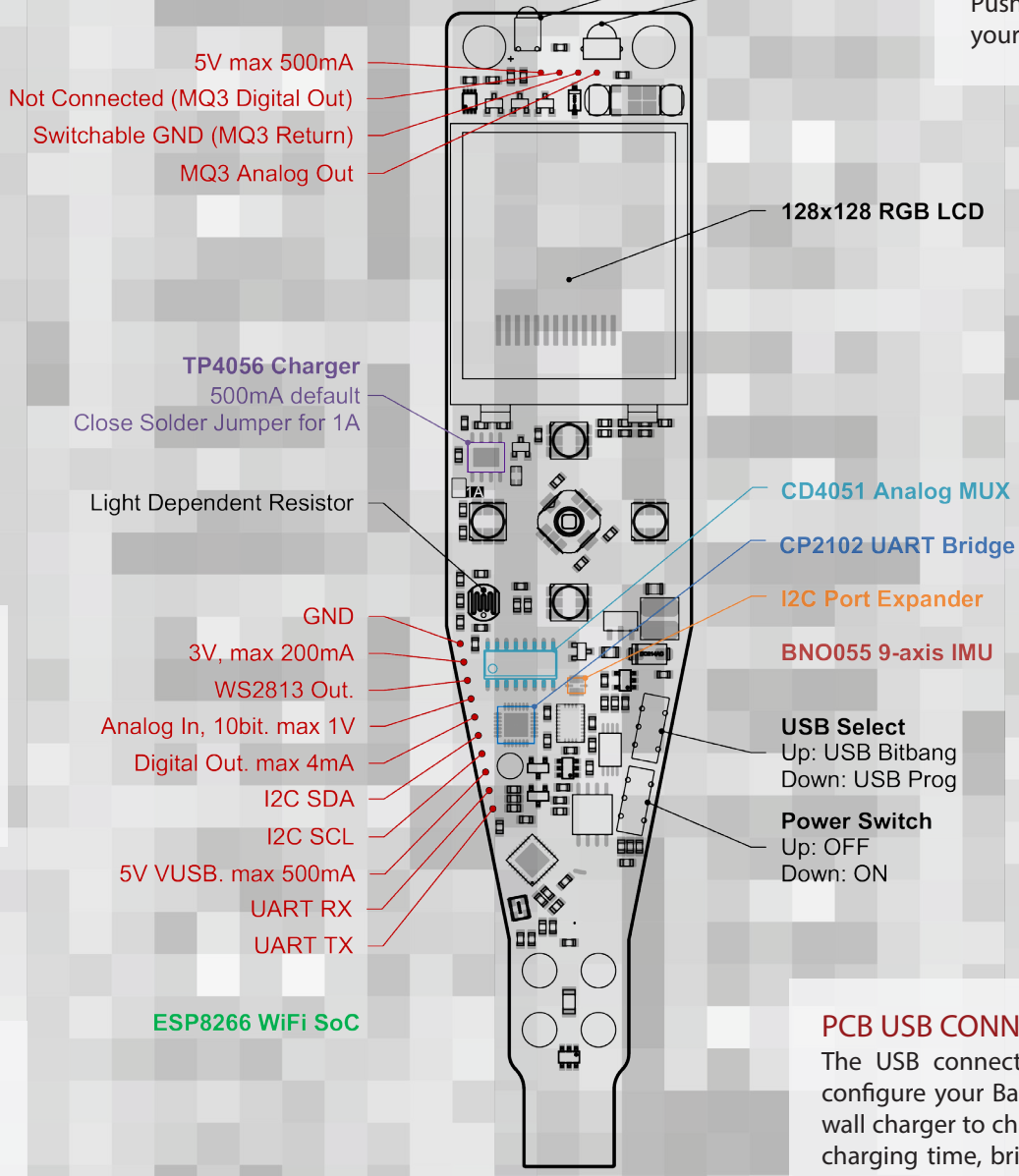

INFRARED COMMUNICATION

The IR LED and Receiver can be used to communicate over short distances. In the Gulasch Push Notifier App, this can be used to register your Badge to additional Notifications.

SENSORS

- BNO055
9-axis IMU
- MQ3 Alkohole Sensor
Lorem Ipsum
- Light Dependent Resistor
LDR

PCB USB CONNECTOR

The USB connector is used to programm, charge and configure your Badge. Simply plug it into your Laptop or wall charger to charge your Badge with 500mA. To reduce charging time, bridge the solder jumper. When programming your Badge, make sure the upper switch is in the correct position.

Special thanks to: Florian Larysch, Sebastian Schumb, Janis Streib, Anton Schirg, Moritz Hoffmann, Rene Hopf, Frederik Dunschen, Jan Henrik Hemsing, Niklas Fauth