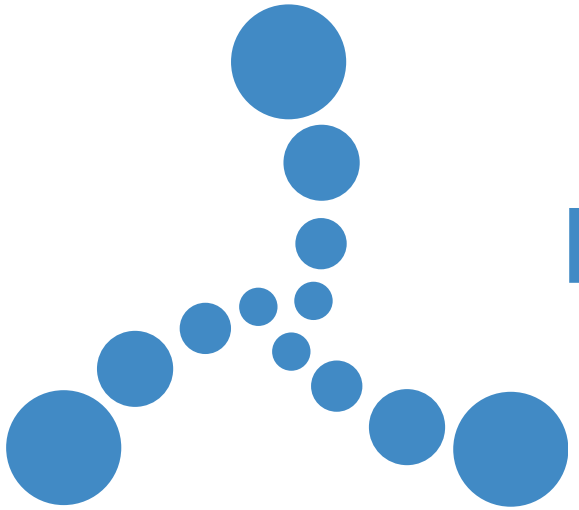


ENERGIYA

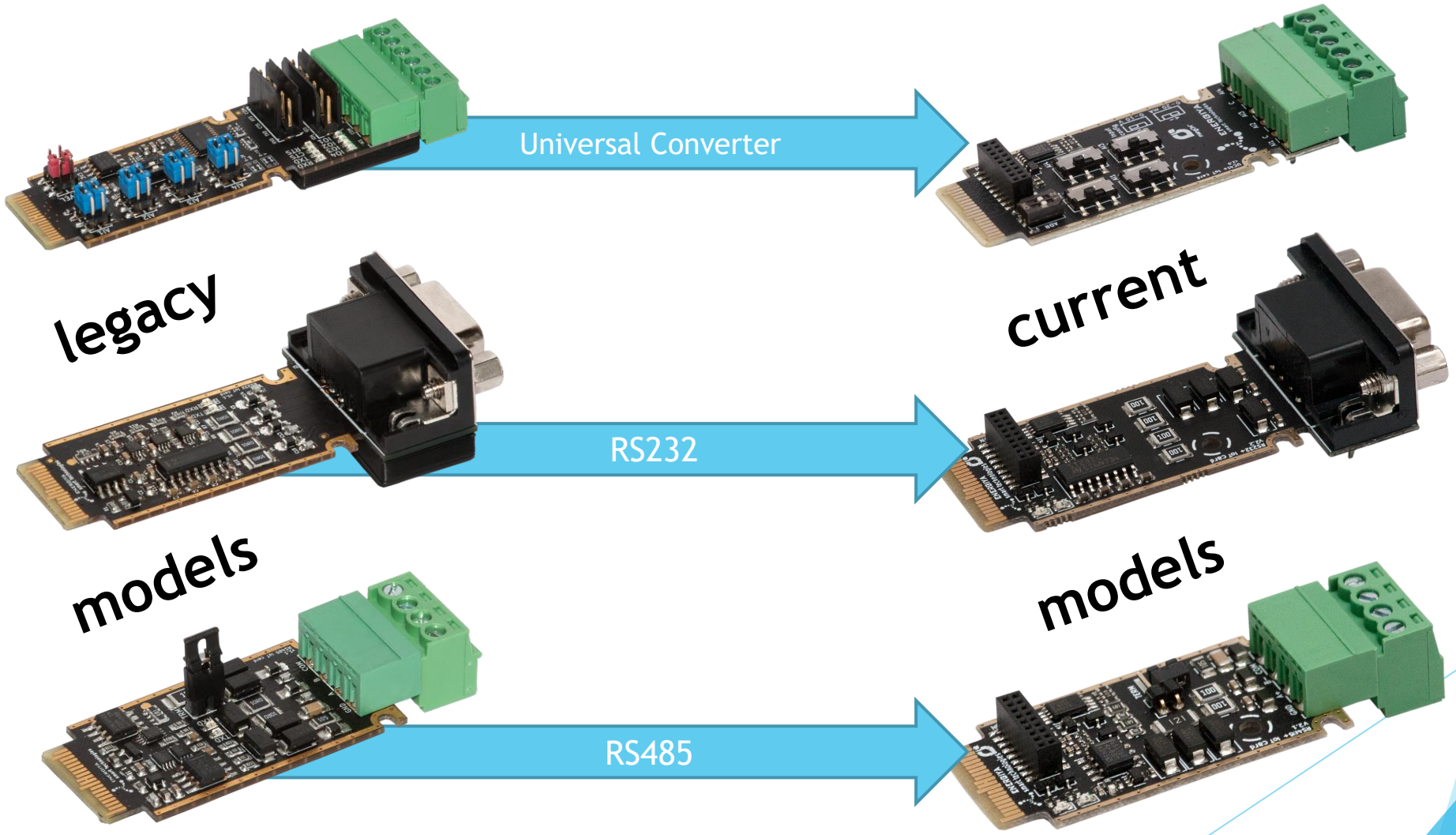
smart technologies

IoT solutions

for SIERRA WIRELESS and mangOH™

New versions of Energiya IoT cards

To meet the requirements of our customers and provide IoT cards for more advanced applications, we have upgraded them.

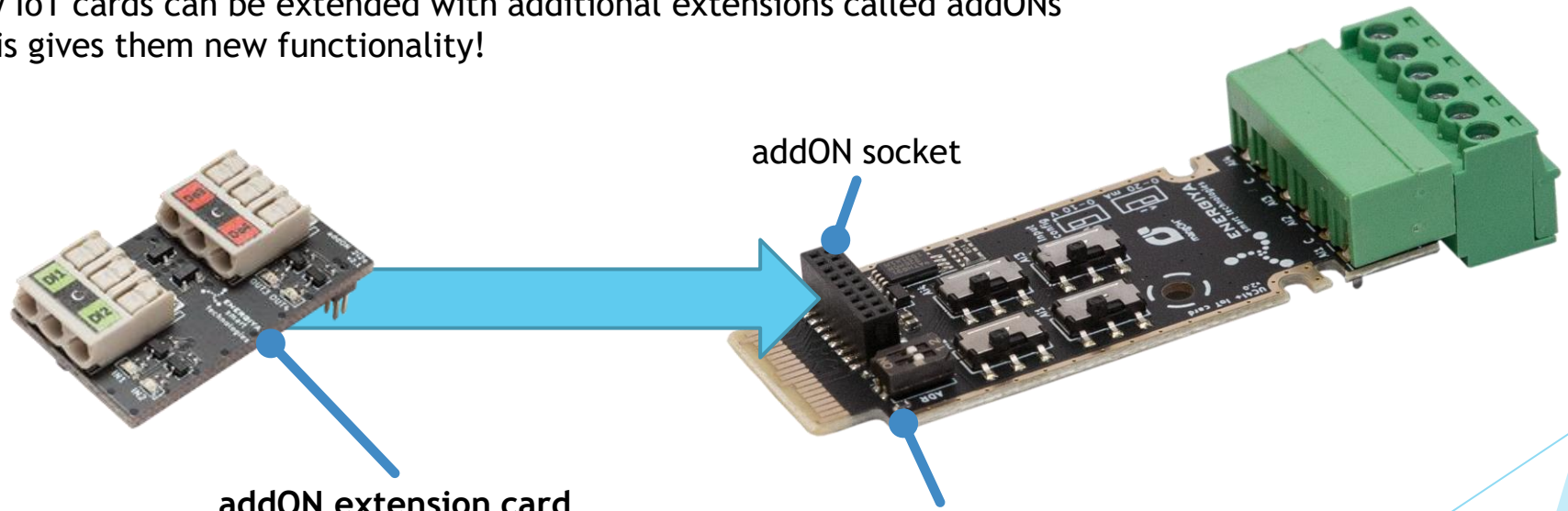


New versions of Energiya IoT cards

We make sure that our products are reliable and technoogically advanced. We use only high quality electronic components and thoroughly test each model before it is launched on the market.

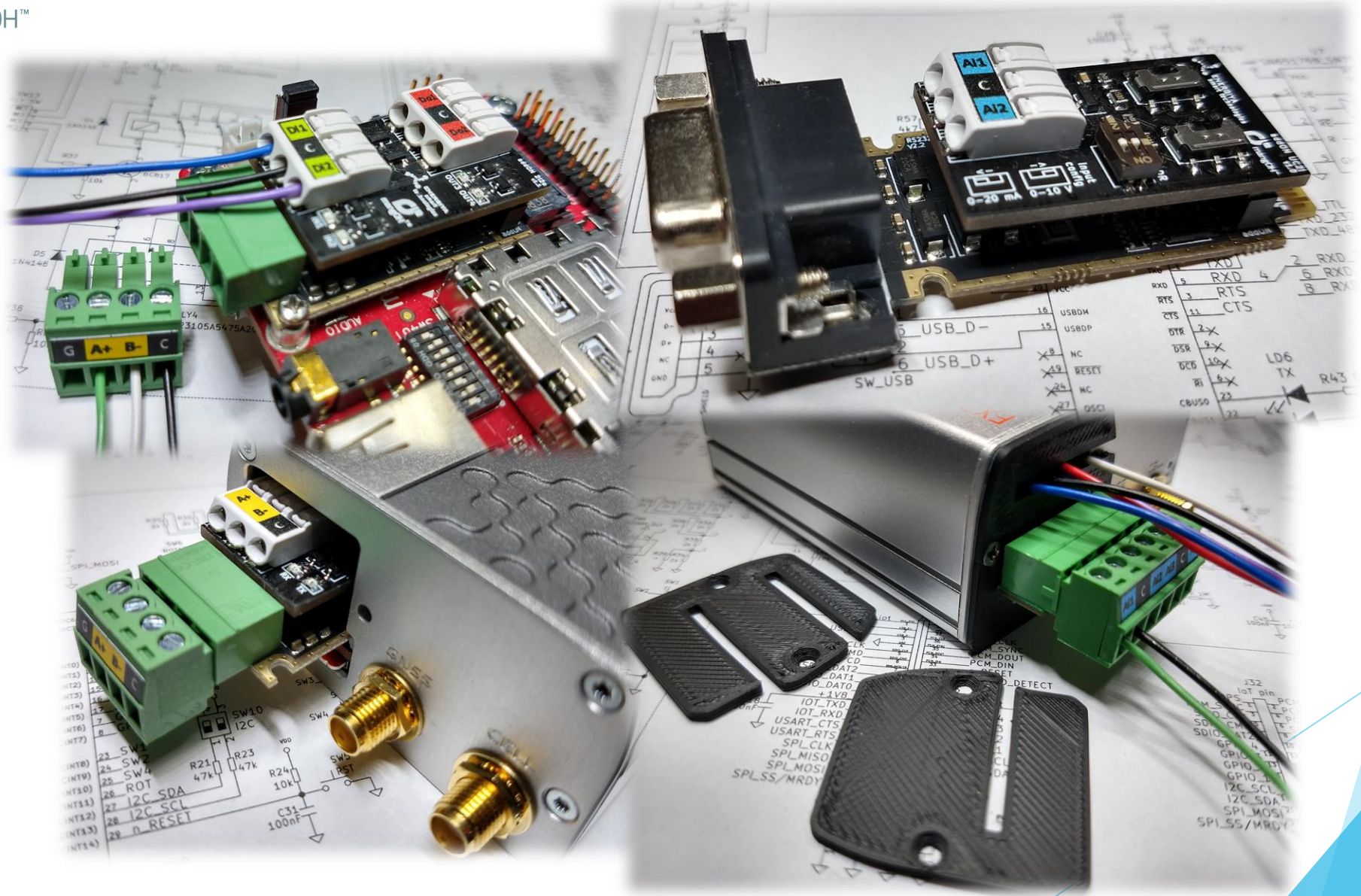
Using smaller components and saving space on the PCB, we designed a new line of IoT cards, allowing them to be extended with expansion modules and adapted to wider applications.

New IoT cards can be extended with additional extensions called addONs
- this gives them new functionality!

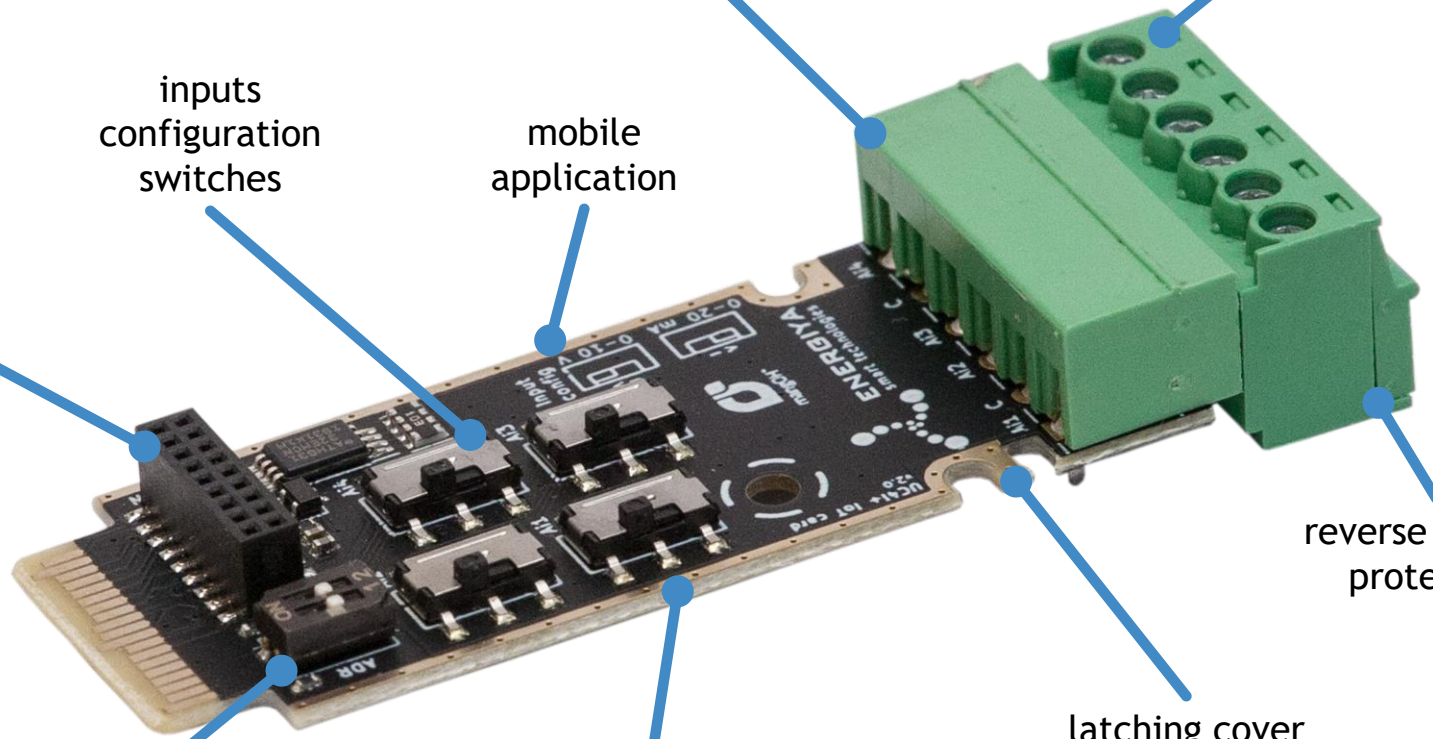


New versions of Energiya IoT cards

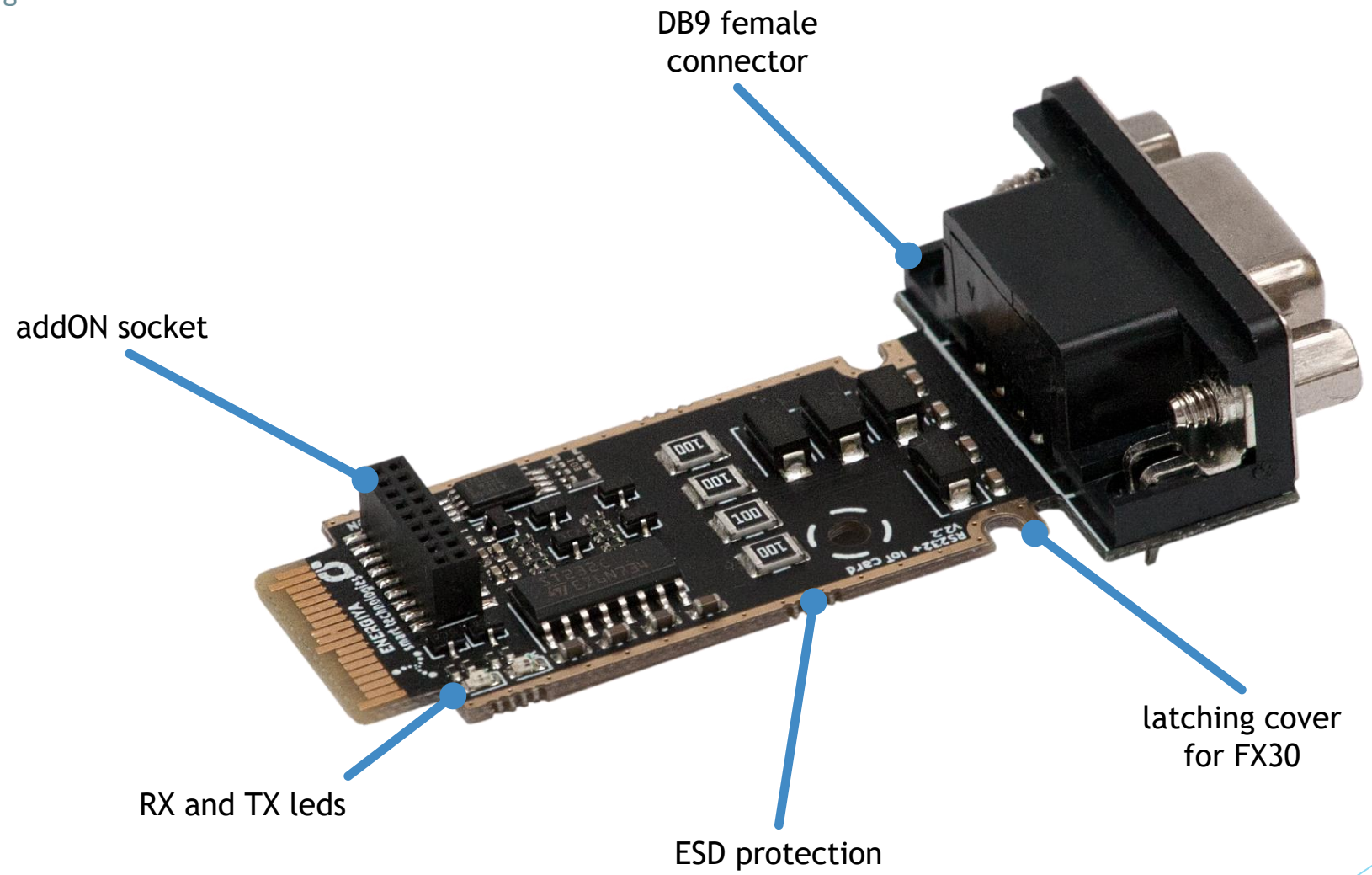
Perfect match with your solutions – every our IoT card is fully compatible with every addON!



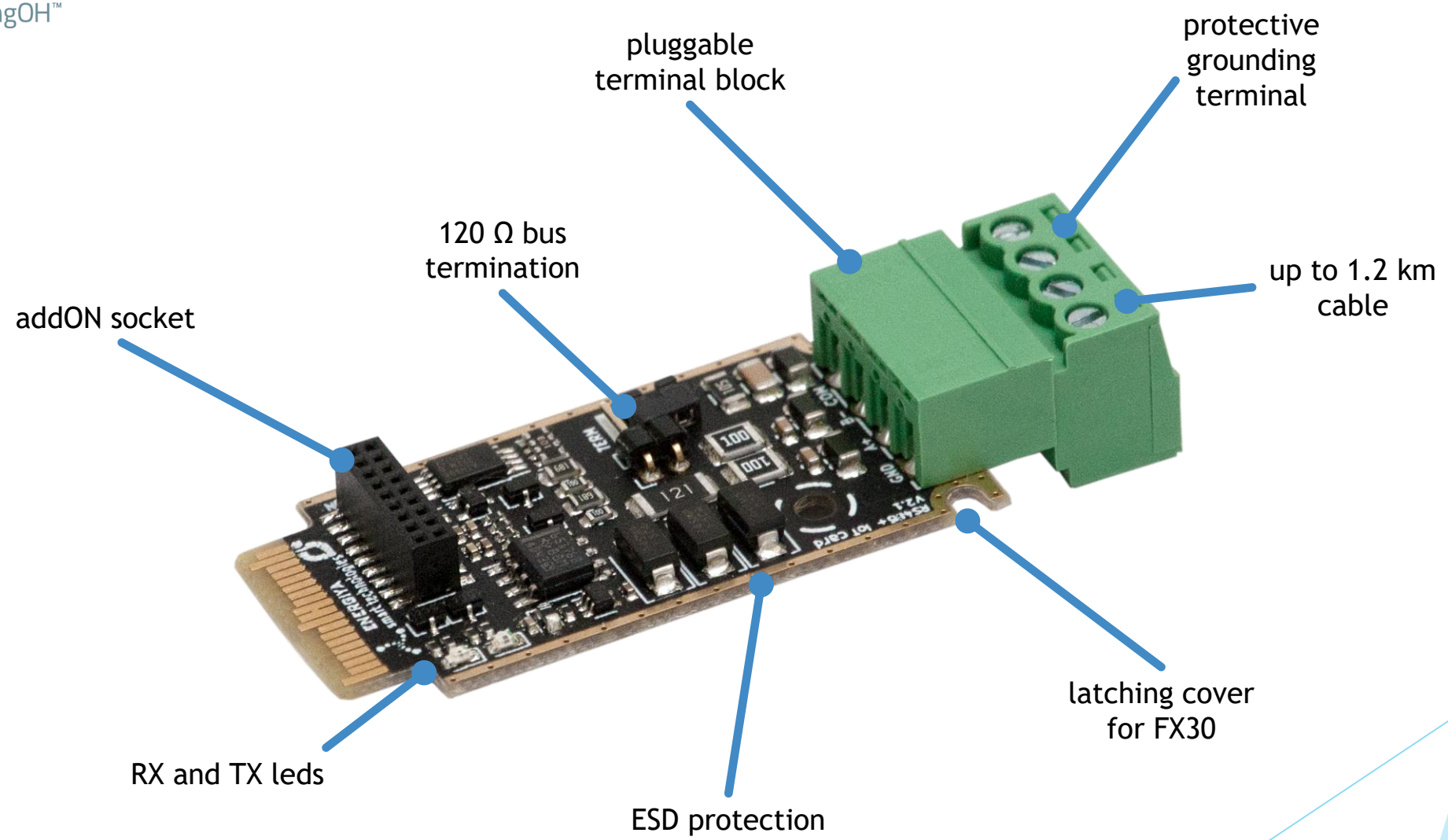
Universal Converter 4i+ IoT card



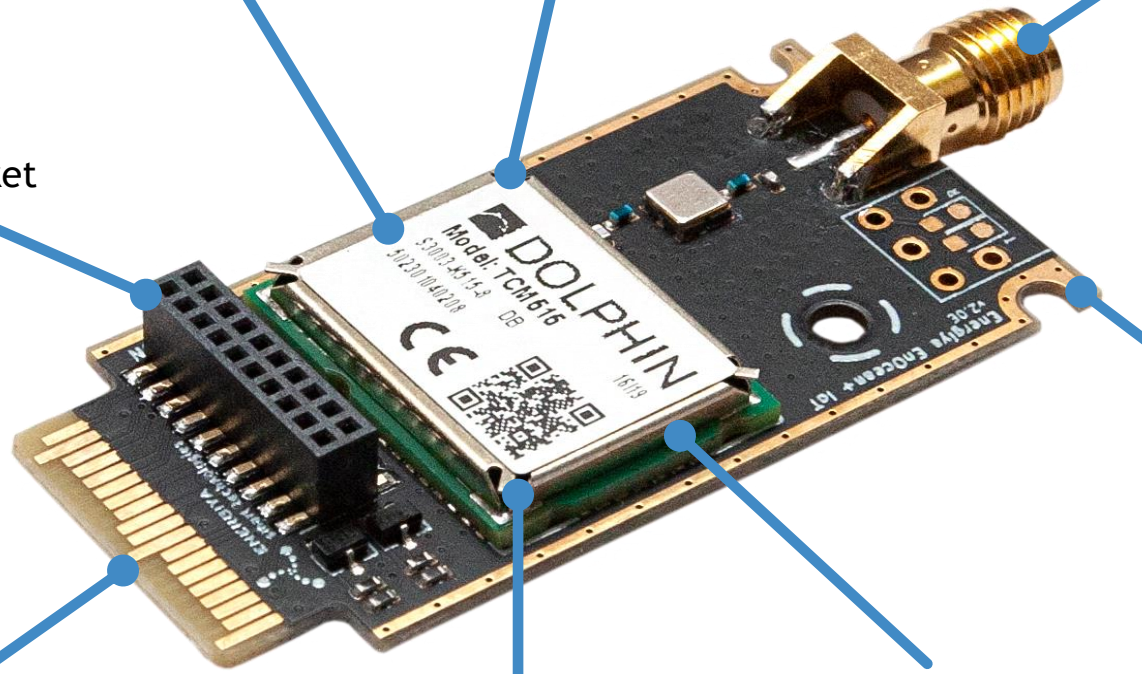
RS232+ IoT card



RS485+ IoT card



Energiya EnOcean+ IoT card



high procesor performance

flexible: realization of gateways, actuators and controllers

card available in two versions: 868 MHz or 902 MHz

addON socket

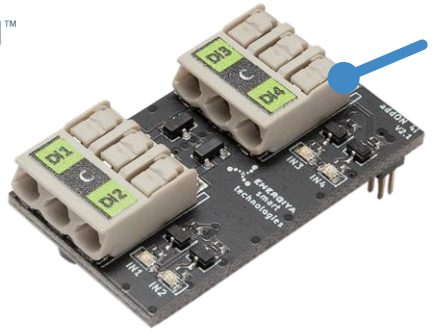
latching cover for FX30

applications:
- IoT
- metering
- M2M
- smart city
- sensor networks
- industrial automation
- smart home

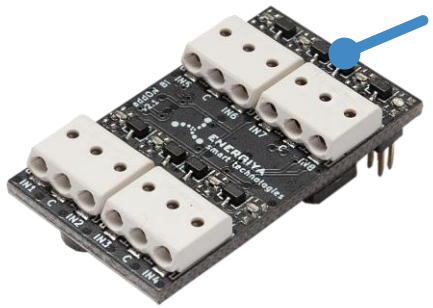
security processing

reduced power consumption

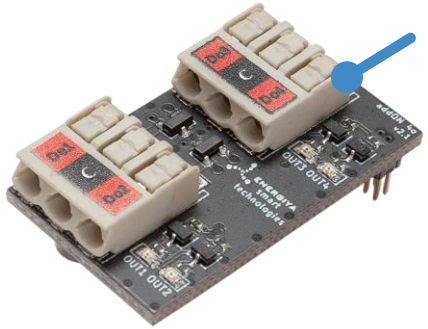
Digital inputs and outputs addONs



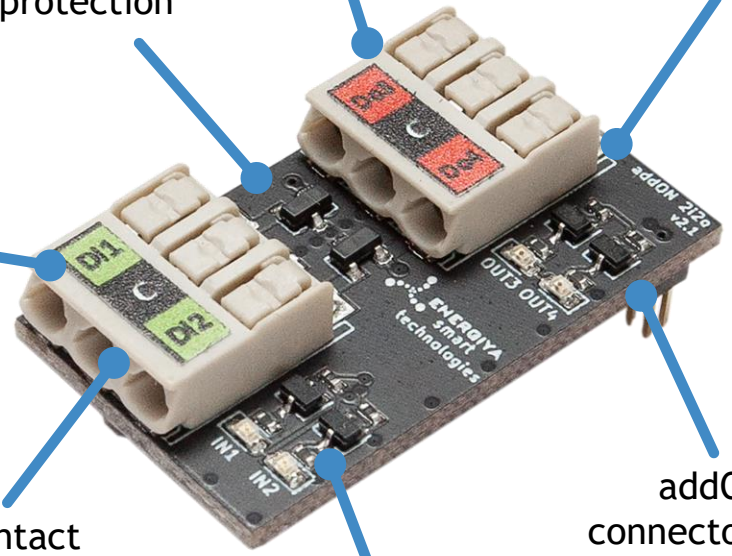
4 x digital input addON



8 x digital input addON



4 x digital output addON



open collector outputs

2 x digital input and 2 x digital output addON

ESD protection

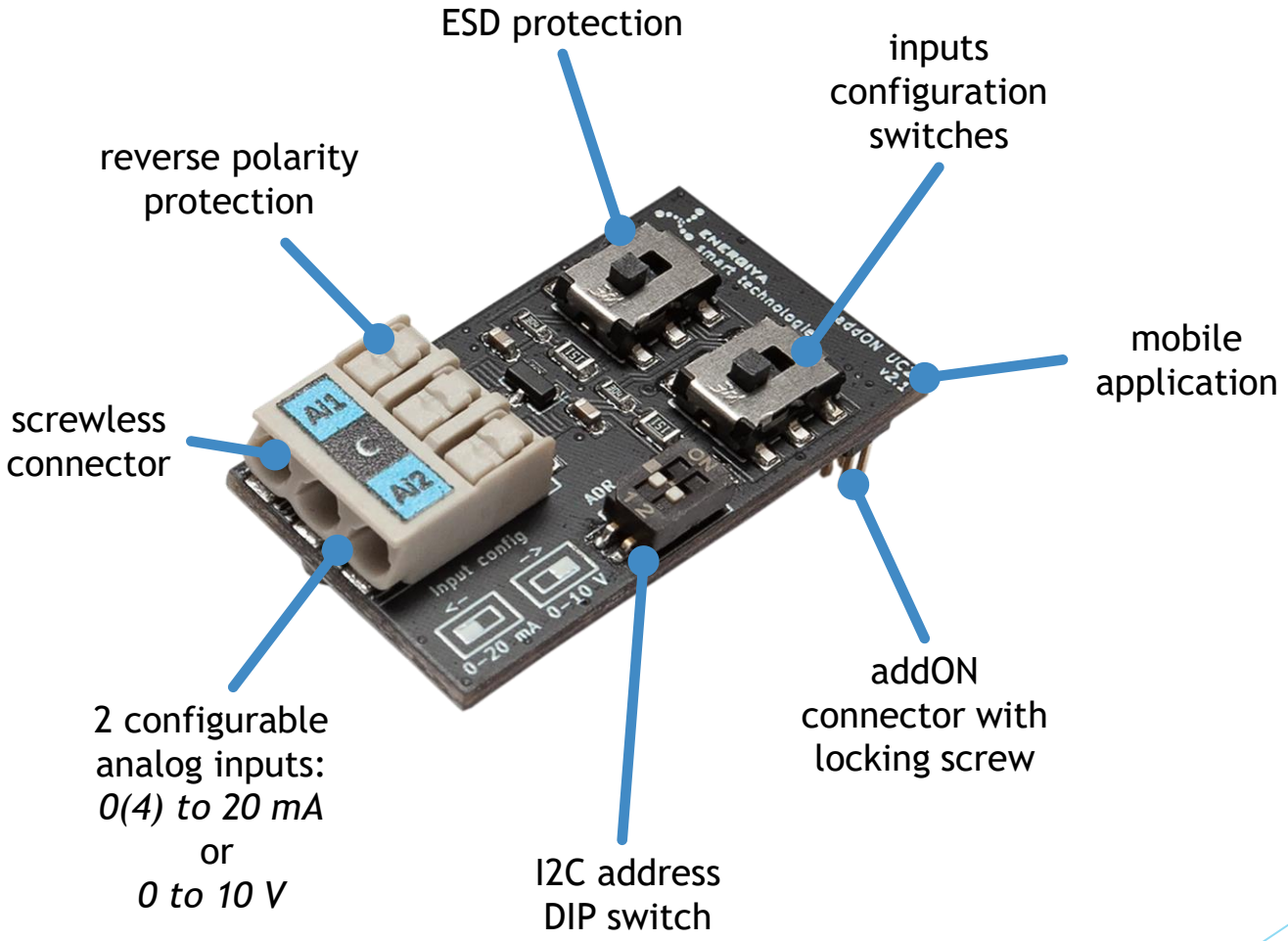
screwless connector

dry contact inputs

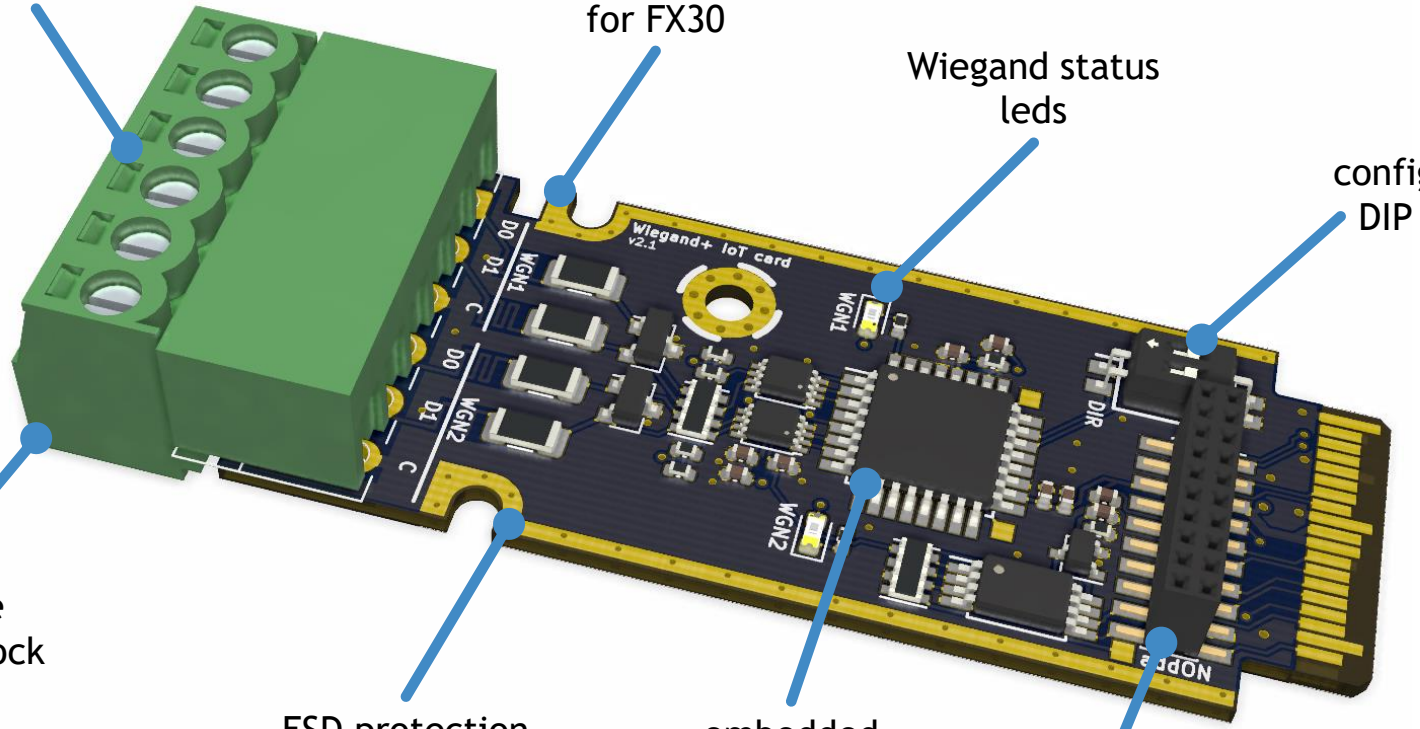
addON connector with locking screw

inputs and outputs status leds

Universal Converter 2i addON

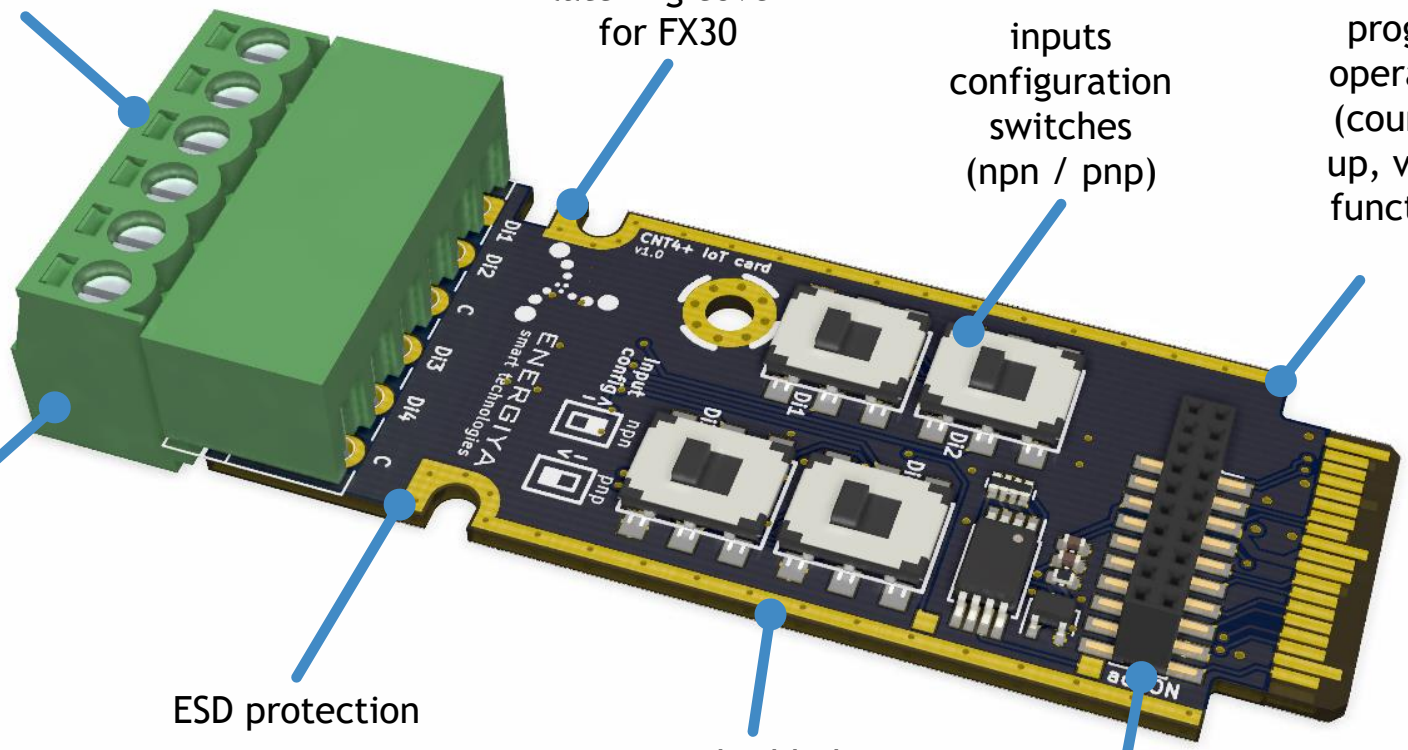


Wiegand+ IoT card*



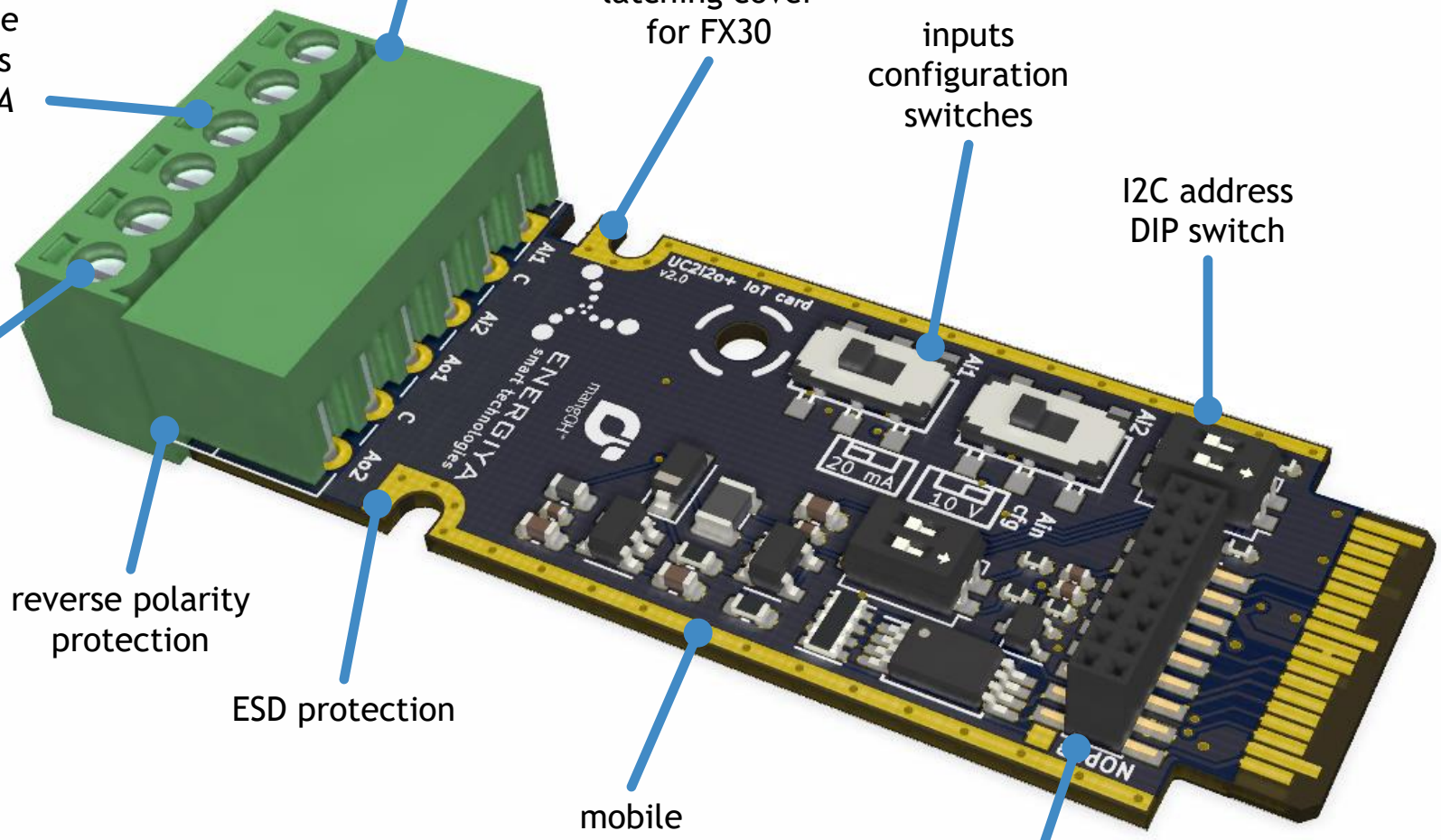
*ready to manufacture

Digital counter+ IoT card*



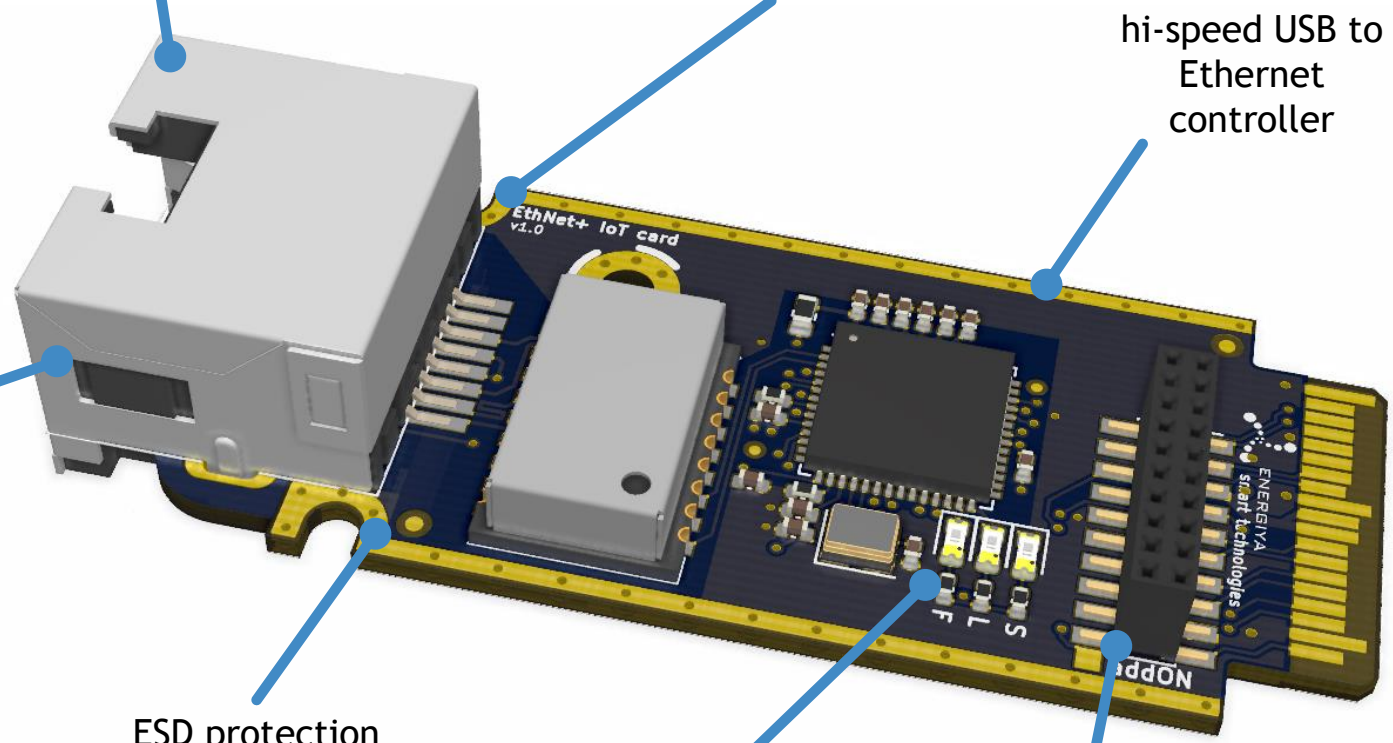
*concept of the device

Universal Converter 2i2o+ IoT card*



*concept of the device

Ethernet+ IoT card*

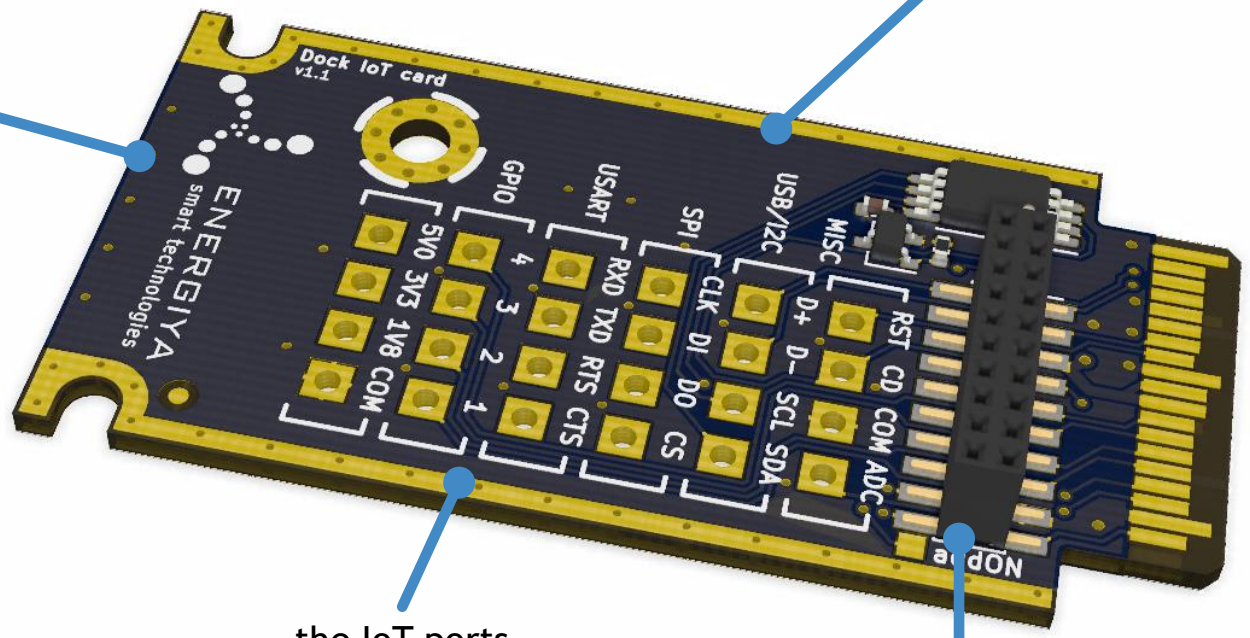


*prototype in testing phase

Dock+ IoT card*

development board
for IoT prototyping

only addON
can be used



the IoT ports
were moved out

addON socket

*ready to manufacture

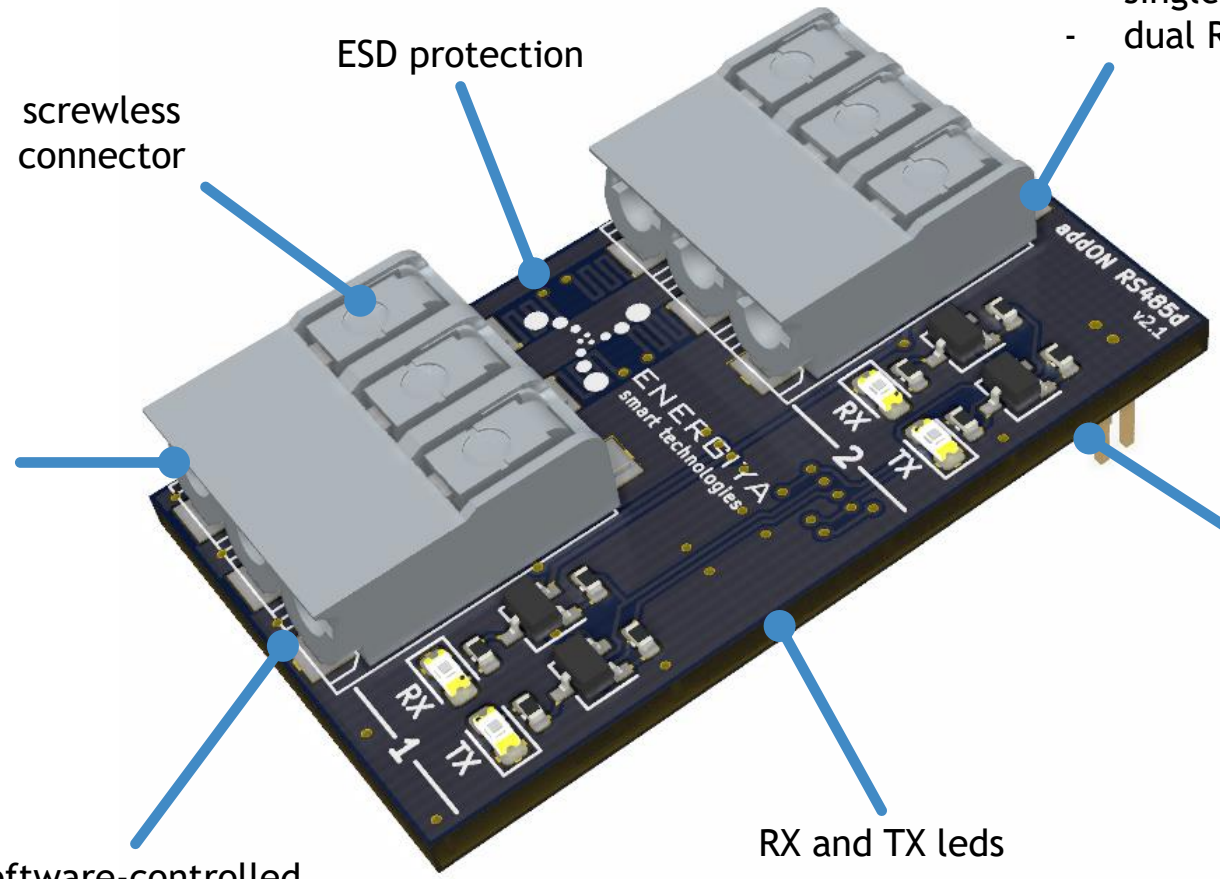
RS485 addON*

available in two versions:
- single RS485
- dual RS485

ESD protection

screwless connector

up to 1.2 km cable



addON connector with locking screw

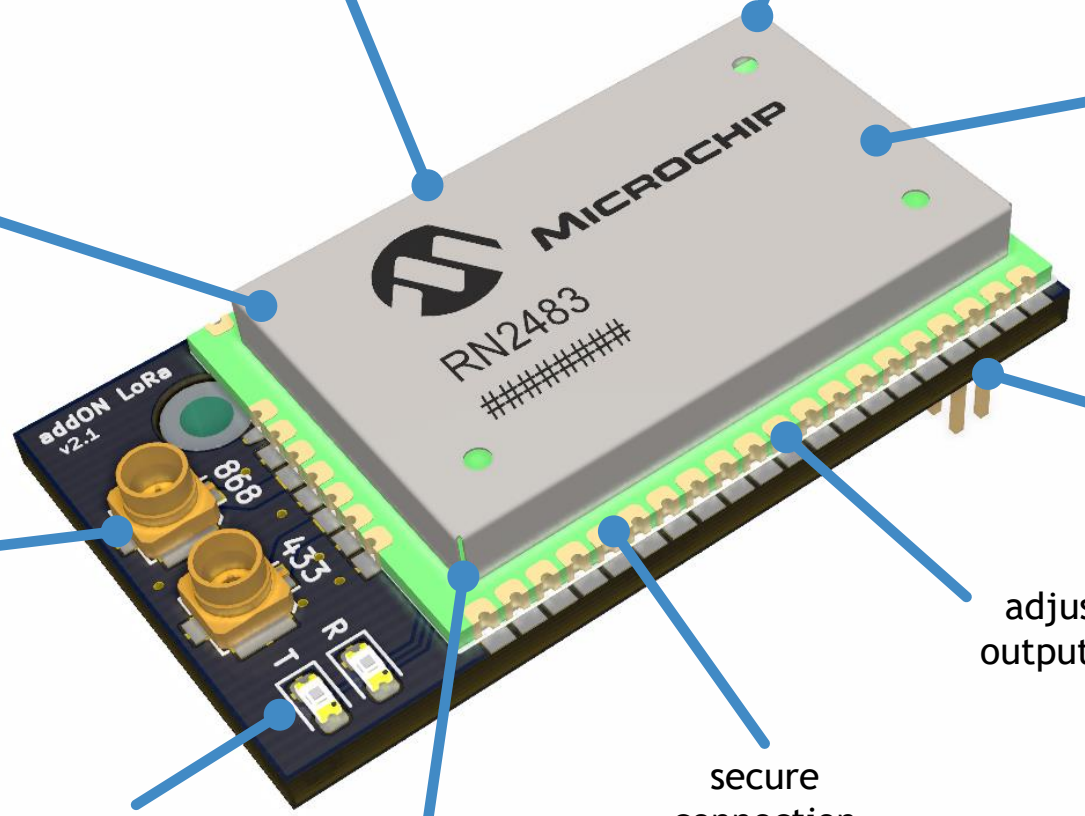
RX and TX leds

software-controlled bus termination

*prototype in testing phase

LoRa addON*

applications:
- IoT
- metering
- M2M
- smart city
- sensor networks
- industrial automation
- smart home



low power consumption

cennection between mobile and desktop devices (mobile data is no needed)

long range: greather than 15 km

addON connector with locking screw

Operates in 433 MHz and 868 MHz bands

adjustable output power

RX and TX leds

secure connection

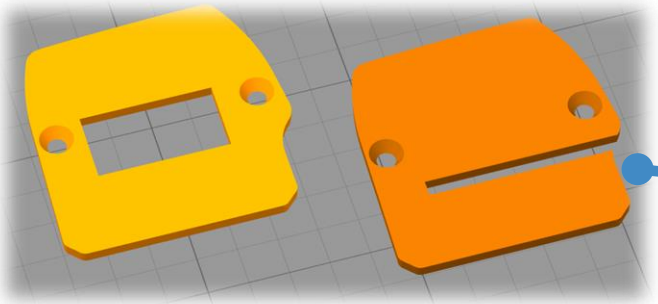
embedded LoRaWAN class A protocol

*prototype in testing phase

Covers for FX30

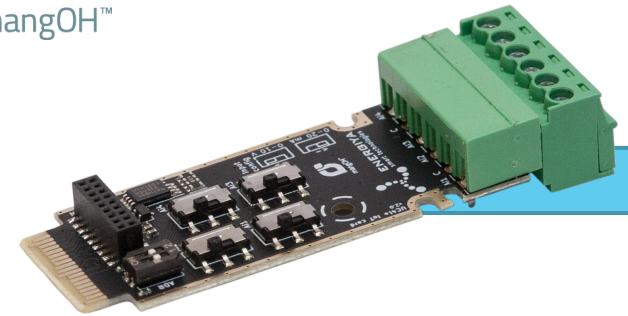
we print covers on a 3D printer

we produce aluminium covers



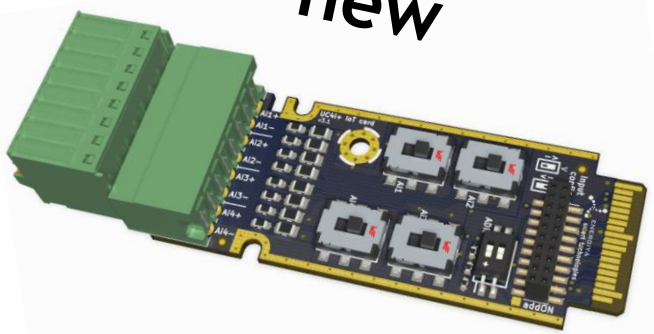
and we also share 3D cover files

Revision of our flagship models

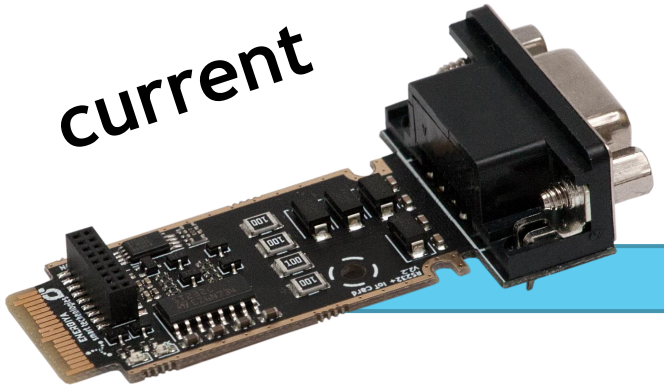


Universal Converter

new

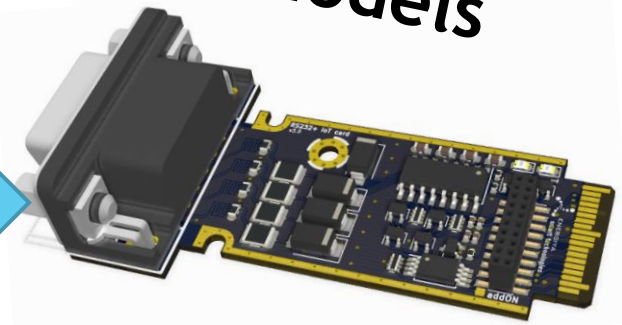


current

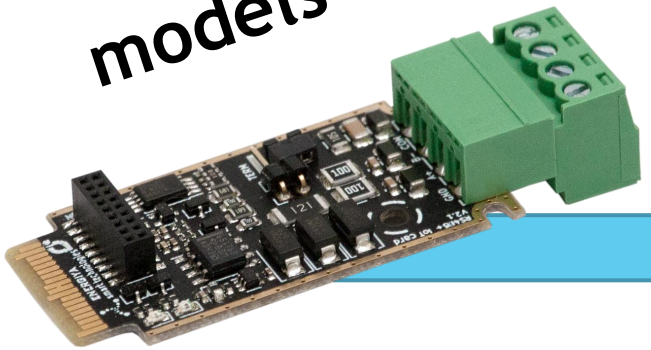


RS232

models

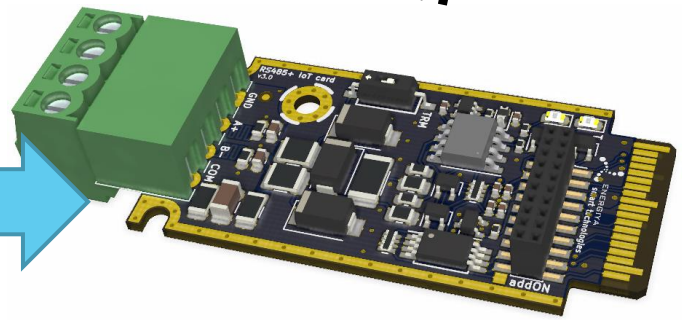


models



RS485

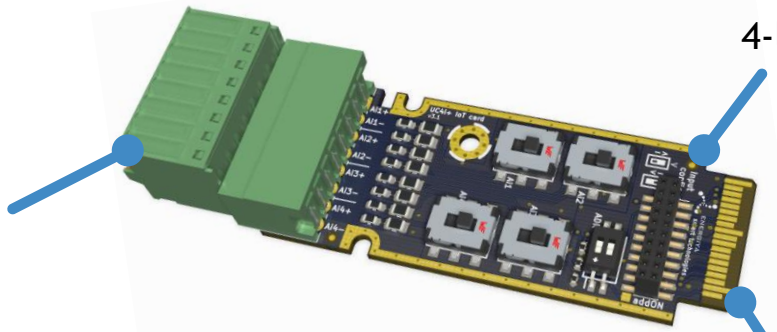
soon



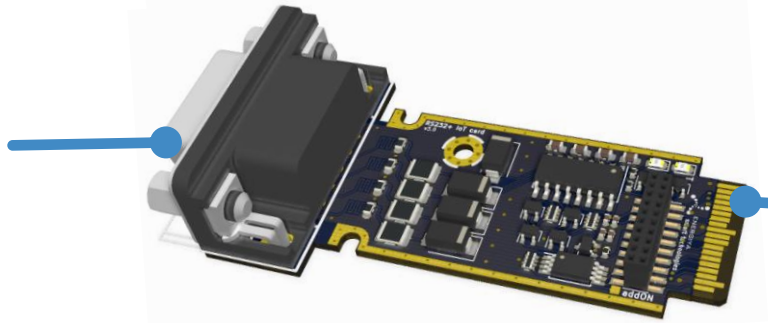
Revision of our flagship models

4-layer PCB

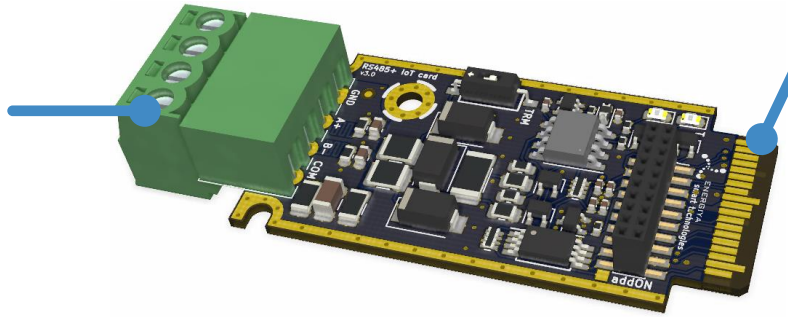
the measuring ranges were extended:
-10 to +10 V
or
- 20 to +20 mA



smaller DB9 connector with better quality



the bus terminations with the jumper have been changed to the terminations with the DIP switch

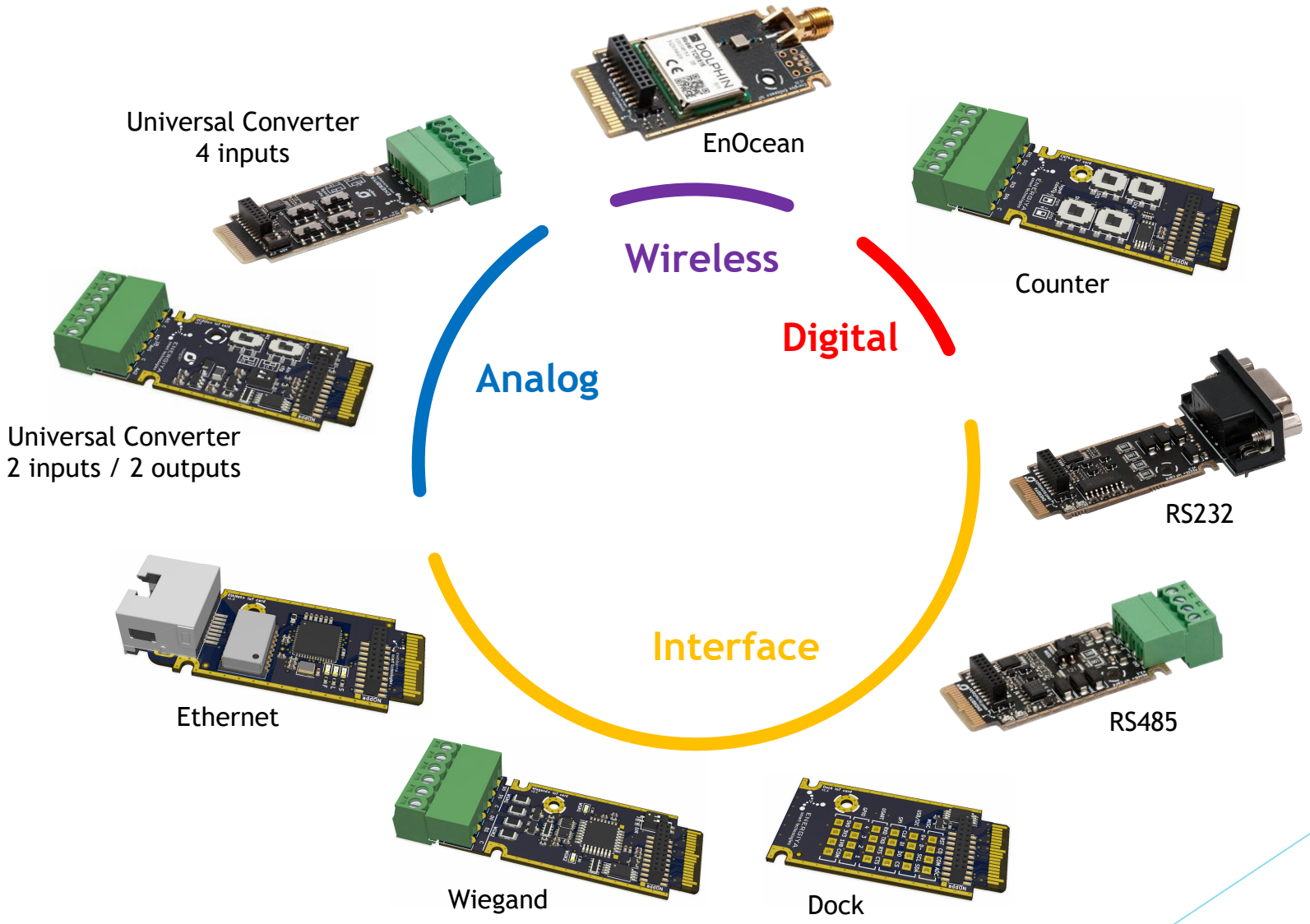


common improvements:

- ESD has been improved
- the size of the components has been reduced
- new type of addON mounting pad

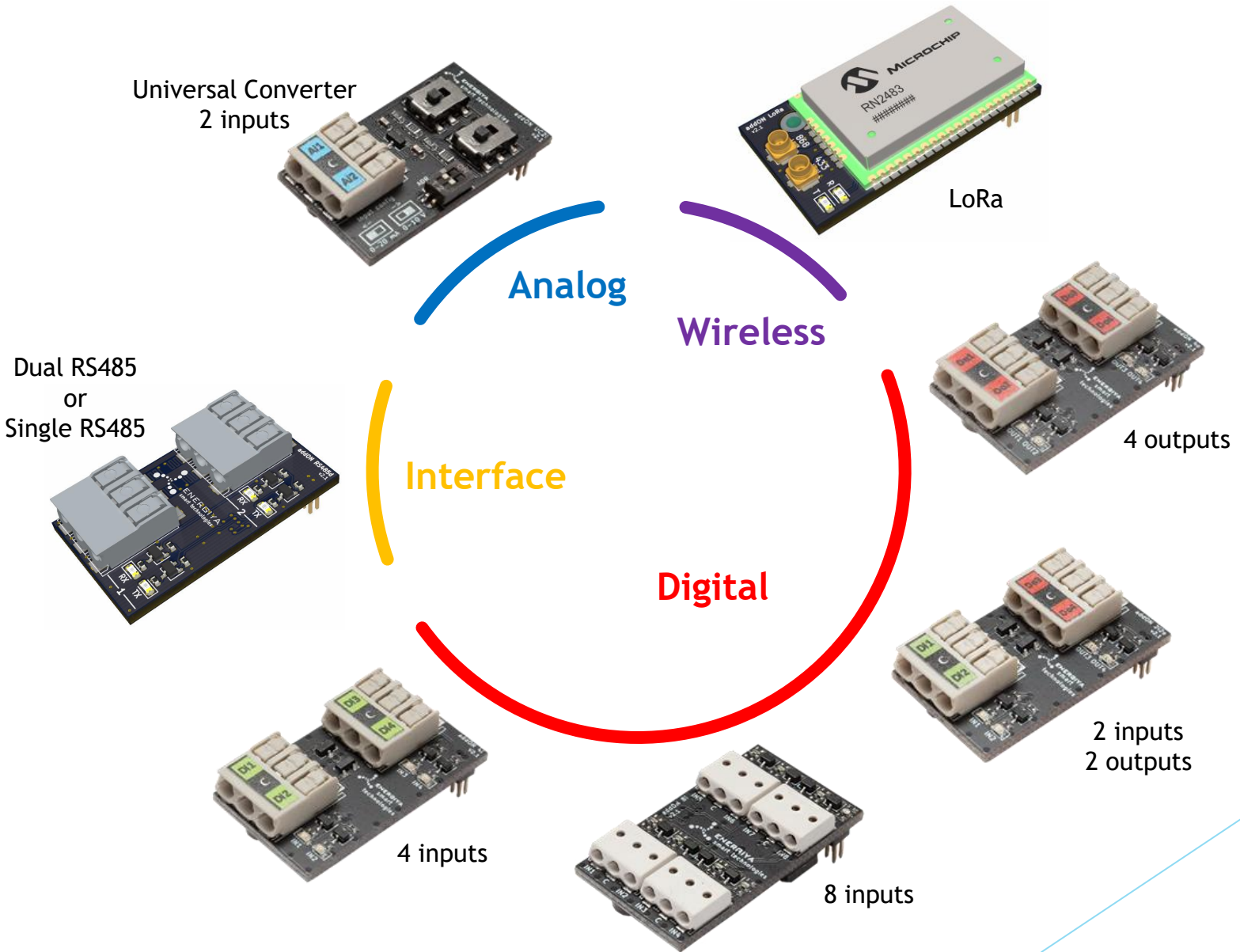
IoT flexible solutions

IoT cards and addons



IoT flexible solutions

IoT cards and **addONs**



Example of BMS Integration

In 3 simple steps

1) choose IoT **Gateway**

2) add Energiya **IoT card**

3) mix it with **addON**

Modbus

BACnet

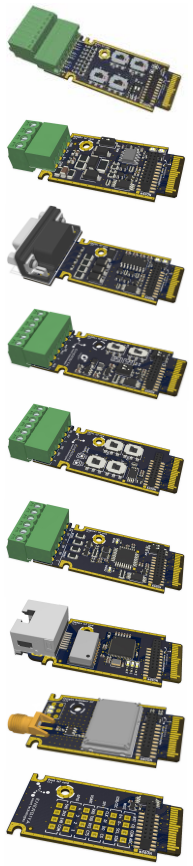
Profibus

DeviceNet

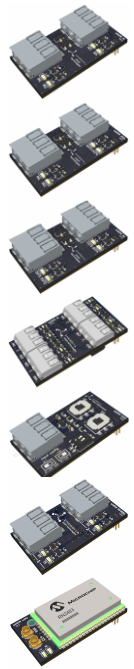
LonWorks

SOAP / XML

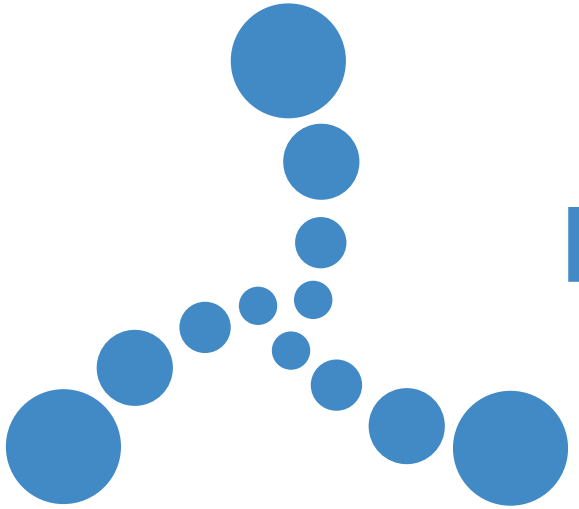
IoT card



addON card



Measurement
Acquiring data
Input and output
Interfaces



ENERGIYA
smart technologies

Thank you!

Q&A

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www.energiya.pl
info@energiya.pl