

## Wireless Solutions for Easy Industrial IoT

Mobile & Cloud Connectivity  
for Retrofits & New Designs





# The Race to Win IIoT Market Share

Pre-implemented, secure,  
industrial wireless

No-code mobile & cloud  
integration

2022  
**\$320**Bn  
IIoT Worldwide

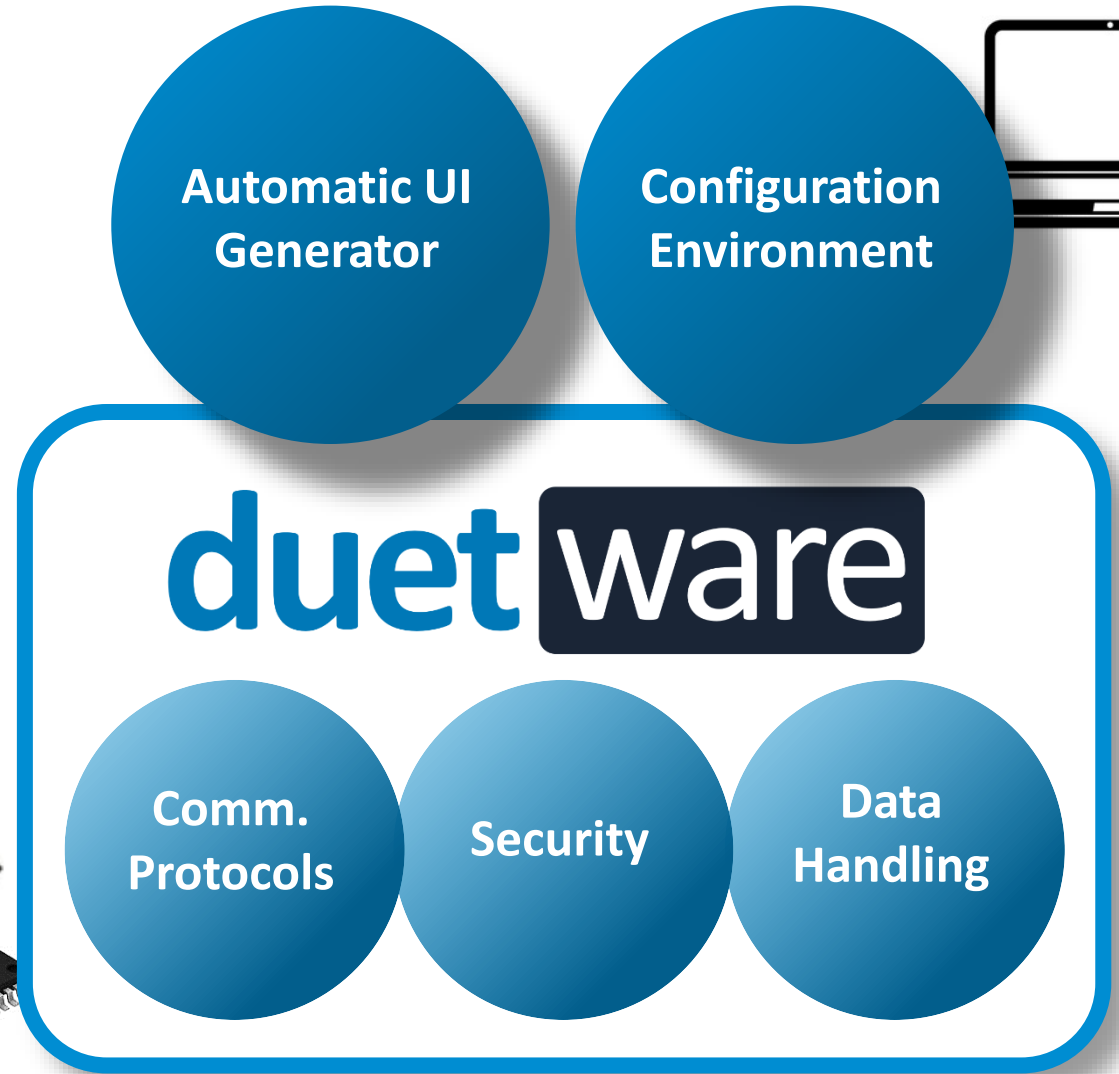
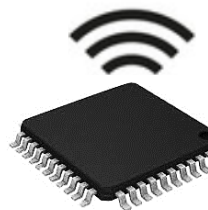




# Connectivity Packaged to Save Time & Effort

'No Code' Software Ecosystem

Design Software  
+  
Embedded Software



# New in Our 2023 Ecosystem

## Tap Manager with Adaptable HMI

- Create HMI directly on your mobile
- Try it now on **App Store** or **Play Store**

## IoT App Creator

- WYSIWYG, drag-n-drop HMI creator for PC
- **Partner Beta tests in June**

## TapBus with Duetware

- Build IIoT systems with plug-and-play Analog, Digital I/O modules
- **Sampling in Q3 2023**

Automatic UI Generator

Configuration Environment



# 2 Methods to Create Mobile HMI Apps

## PC-based tools

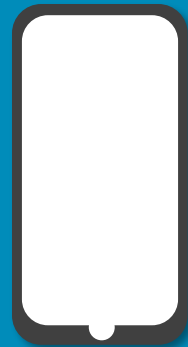
IoT App Creator & App Generator



- Create and publish your own final mobile app
- Control the look and feel of the HMI app
- Use the embedded Virtual Machine

## On a Mobile Phone

Tap Manager with Adaptable HMI



- Create an HMI immediately
- Don't want to manage your own app
- Don't need to modify the HMI look and feel



# Create Custom HMI Directly on Your Mobile

Everyone can create customized user interfaces in our **Tap Manager** app...

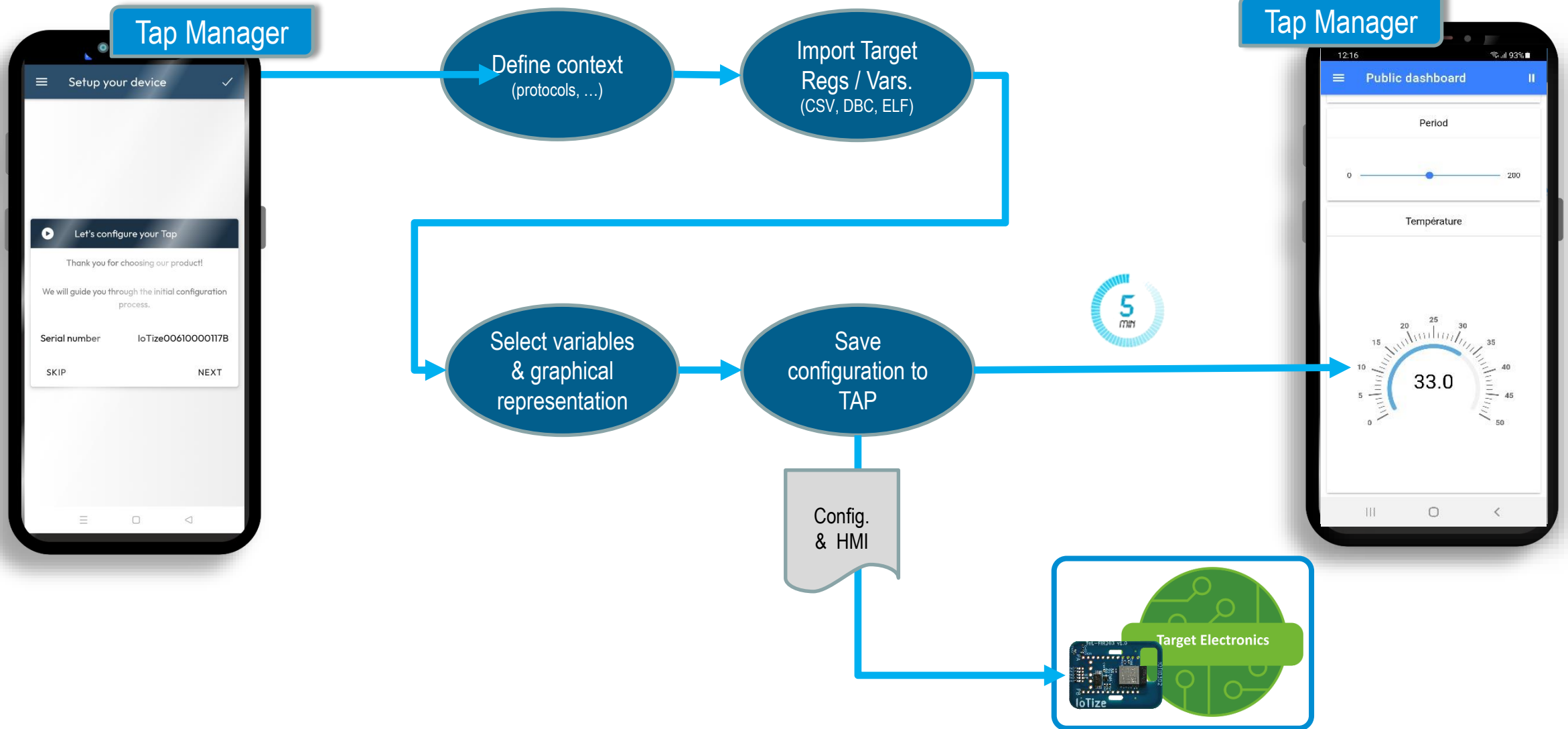
- **No Coding, No Expertise Required**
- Connect to **Modbus** port
- Just Set the Display & Control options

Free app for Tapioca and TapNPass users.

[Try it today !](#)



# Workflow with Tap Manager on a Mobile



# Create Your Own HMI with IoT App Creator

Create customized user interfaces as your own mobile app or dashboard with **IoT App Creator...**

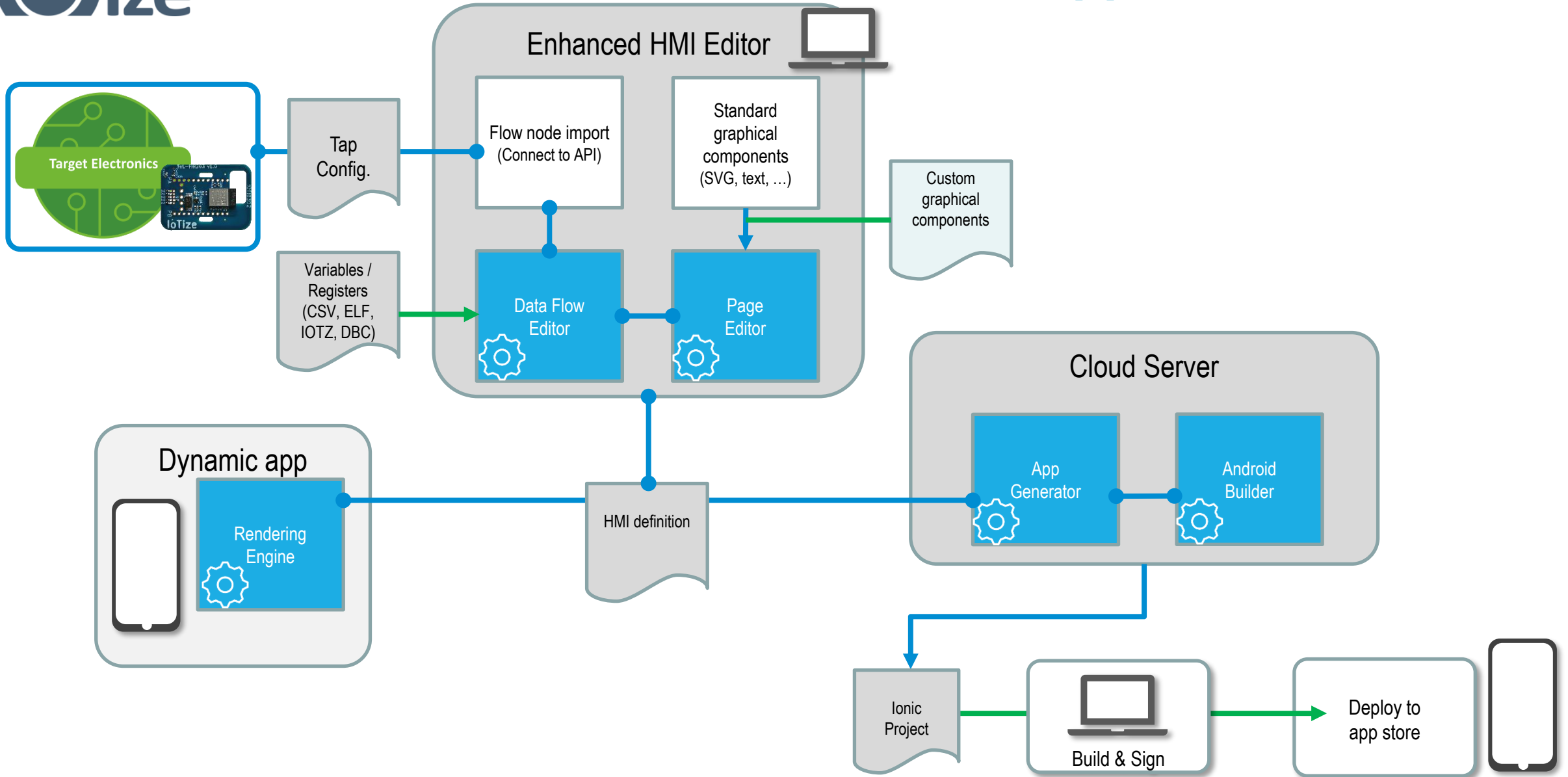
- **No Coding** Required
- WYSIWYG, Drag-and-drop Environment
- Full Control of Layout & Graphics
- Advanced Logic Control
- Create Final App with Just a Click

Free Software for Tapioca, TapNPass and TapNLink.

**[Become a Beta Tester Today !](#)**

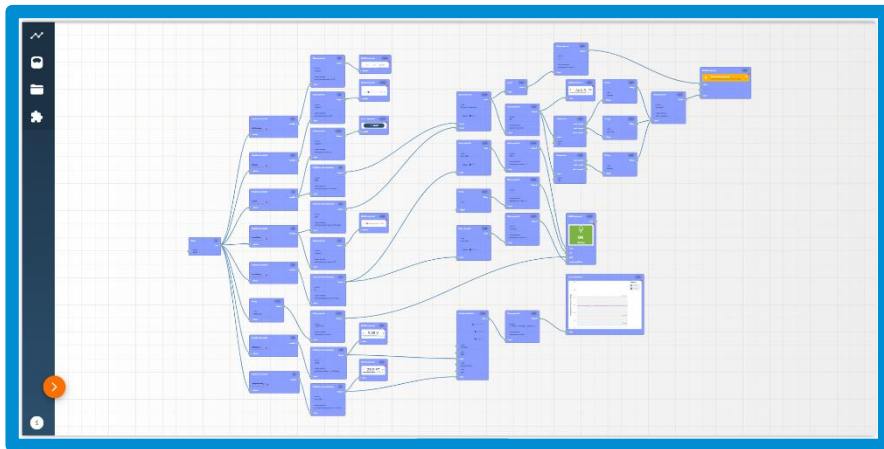




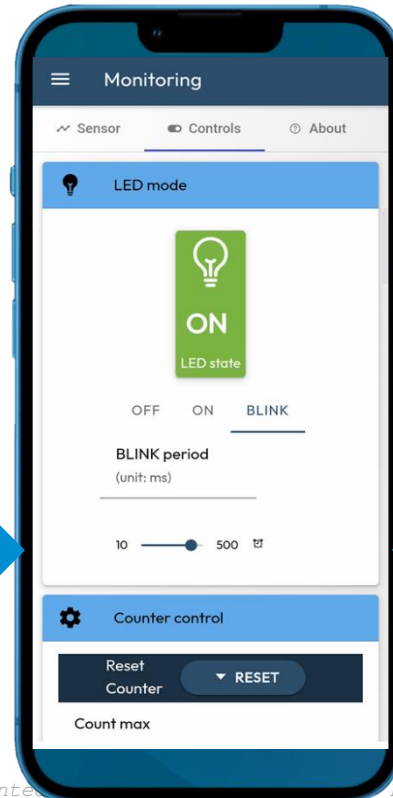
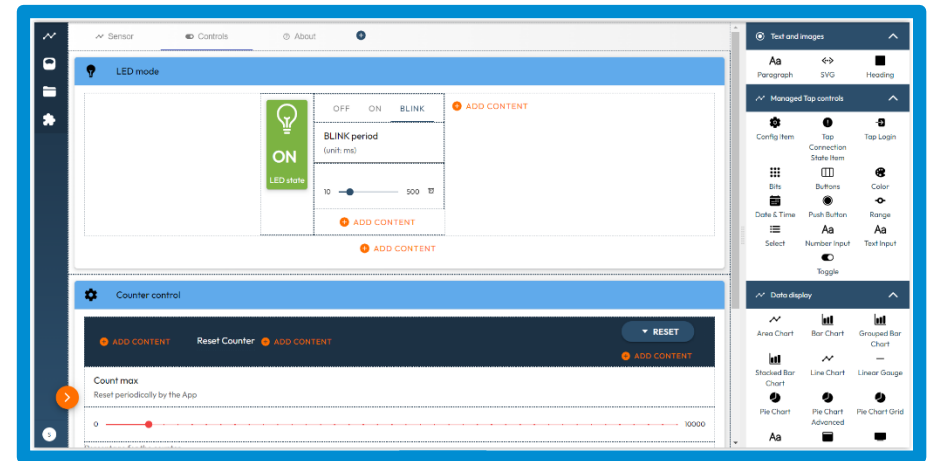


# 2 Complementary Tools Make it Easy

## Flow Editor: How it works



## Page Editor: How it looks



# NEW TapBus Line with Duetware

## Power Supply

*with backup battery management*

## Analog

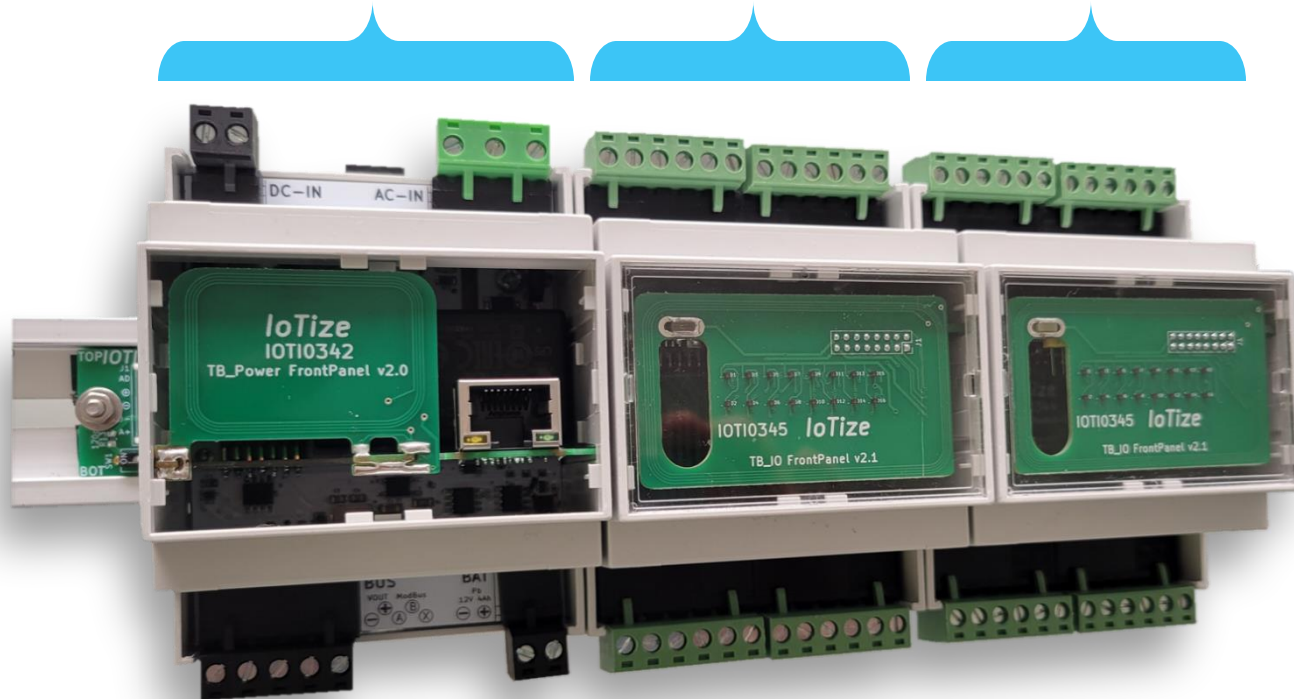
*16 Configurable Inputs  
24-bit ADC  
4-20 mA, 0-10V,  
Pt100/Pt1000*

## Logic

*12 Configurable Inputs  
Digital or Counter (to 1kHz)  
4 Configurable Outputs  
Electronic switches (to 60V)*

**No code, low code** solution for building mobile and cloud connected industrial systems.

**Duetware JVM** for easy creation of automated systems and integration with any cloud platform.



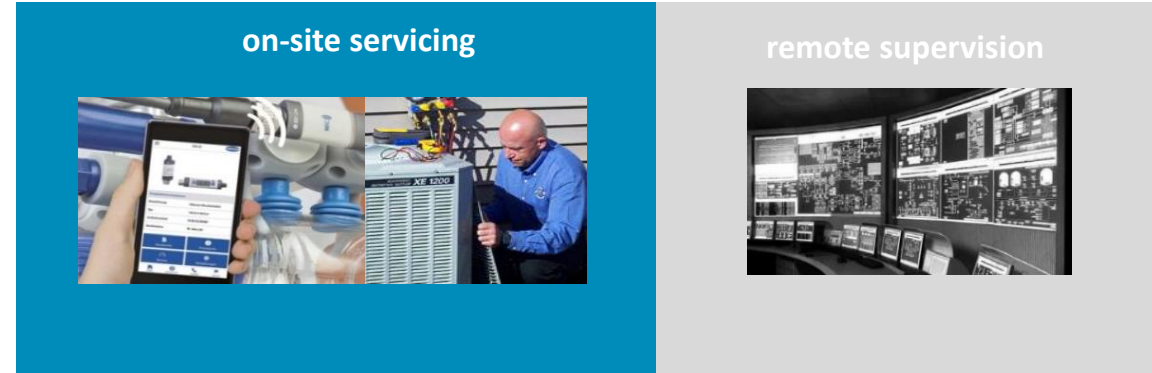
- *Modbus (RS485, Ethernet)*
- *Automated addressing for easy configuration*
- *Optional Modbus+Power DIN rail*
- *Native NFC, BLE, Wi-Fi*
- *LoRa, LTE-M extension modules*
- *220 V AC / 24-36 V DC Power Input*
- *5 or 12 V Power Output*

**Sampling in Q3 2023 !**



Solution for original equipment manufacturers, owners or service providers.

Retrofit on Modbus or Serial fieldbus.



	Available	Certified	BUS	DIN <sup>1</sup>	IP67 <sup>1</sup>	NFC	Bluetooth	Wi-Fi	LoRa	LTE-M	NB-IOT
<b>TpC xS0W123</b>	Yes	Yes	USB	X	X	X	X	X			
<b>TpC xS4W123</b>	Yes	Yes	RS485	X	X	X	X	X			
<b>TpC xSE0W123</b>	Yes	Yes	Ethernet	X	X	X	X	X			
<b>TpC xC0W123</b>	Yes	Yes	RS485	X	X	X	X	X			
<b>TpC PS4L113<sup>2</sup></b>	Yes	Yes	RS485		X	X	X		X		
<b>TpC PS4M113<sup>2</sup></b>	Yes	Yes	RS485		X	X	X			X	

Notes: 1. In the part number, replace "x" with "F" for the standard DIN rail casing or "P" for the protective IP67 casing.

2. LoRa, LTE-M and NB-IOT extensions are only available in IP67 casing.



Solution for original equipment manufacturers, owners or service providers.

Retrofit on Modbus or Serial fieldbus.

### on-site servicing



### remote supervision



	Available	Certified	Power Supply	NFC	Bluetooth	Wi-Fi	LoRa	SigFox	...
<b>TnP NSR103</b>	Yes	Yes	Battery*	X	X				
<b>TnP NSW103</b>	Yes	Yes	Battery*	X		X			

*Notes:*

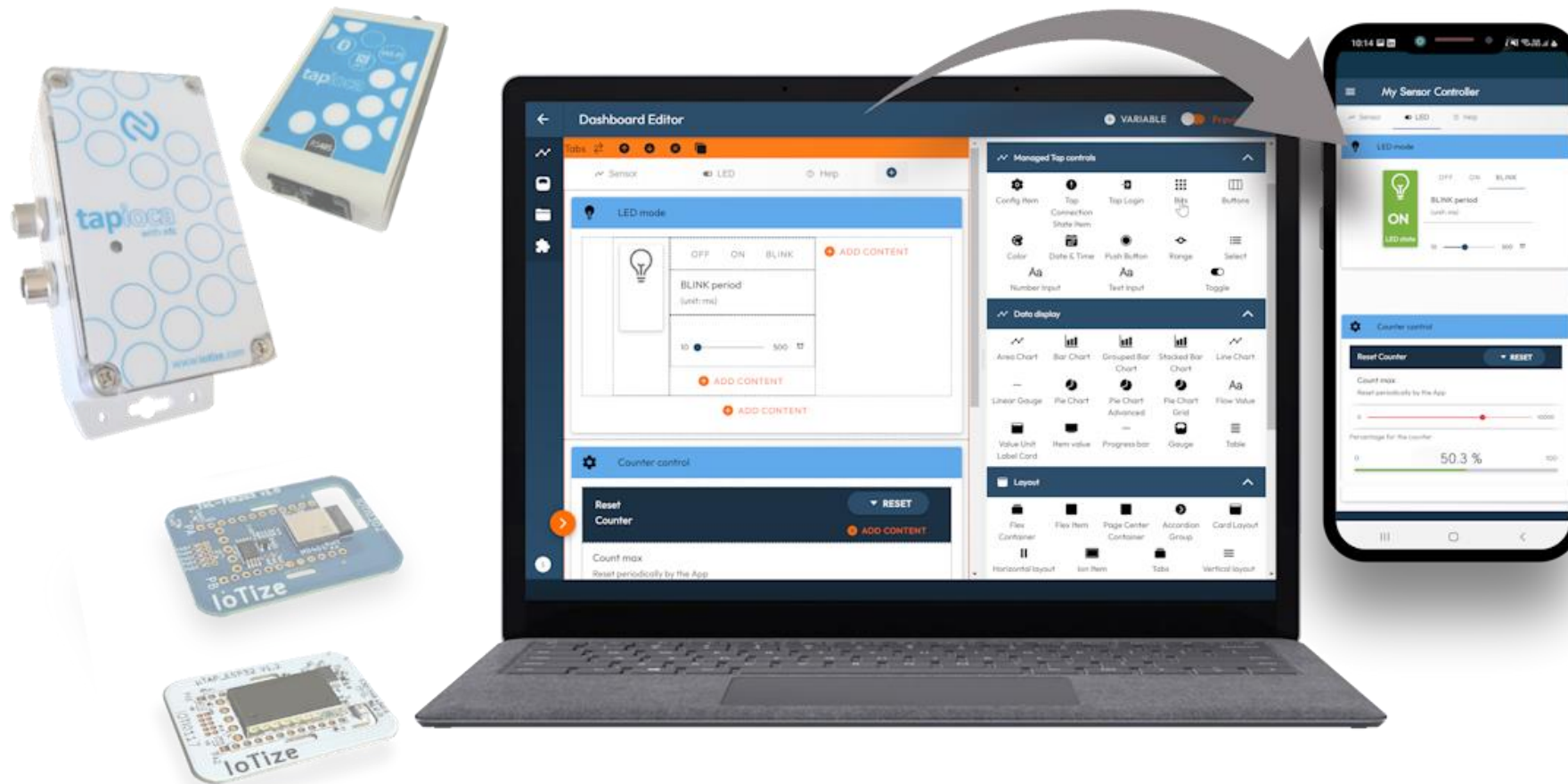
\* Rechargeable Li ION battery.

\*\* Powered from the target system.





# New IoT App Creator



Free Software for Tapioca, TapNPass and TapNLink.

**[Become a Beta Tester Today !](#)**