iOTize™

TapNPass Instantly Links Fieldbus Equipped Systems to Mobile Devices.

NFC · **Bluetooth** · **Wi-Fi**

TapNPass
Secure Wireless Solutions

Facilitate Servicing with Wireless Connectivity

Provide all of your products' users the flexibility and ease-of-use of customized human-machine interfaces (HMI) on mobile devices.

- **Replace serial cables** with secure wireless
- Provide immediate **HMI on mobile devices**
- **Customize by configuration** only
- Flexibility of **Nomad and Fixed** solutions

Turn-key wireless implementations for NFC, Bluetooth Low Energy (BLE), Wi-Fi, & more. Qualified FCC, CE, IC.

Integrates & customizes in minutes with software support for Android, iOS & Windows mobile devices & for Cloud integration.

Secured by design with configurable access control & dynamic, layered encryption. Security enhanced with NFC proximity wake up & initiation.

TapNPass removes technical hurdles by encapsulating these complex technologies. TapNPass eliminates risks & dramatically cuts time-to-market for wireless deployment.

iOTize™

Instant Fieldbus to Wireless

TapNPass replaces serial cables to facilitate servicing and service management with robust, secure wireless communications. TapNPass offers:
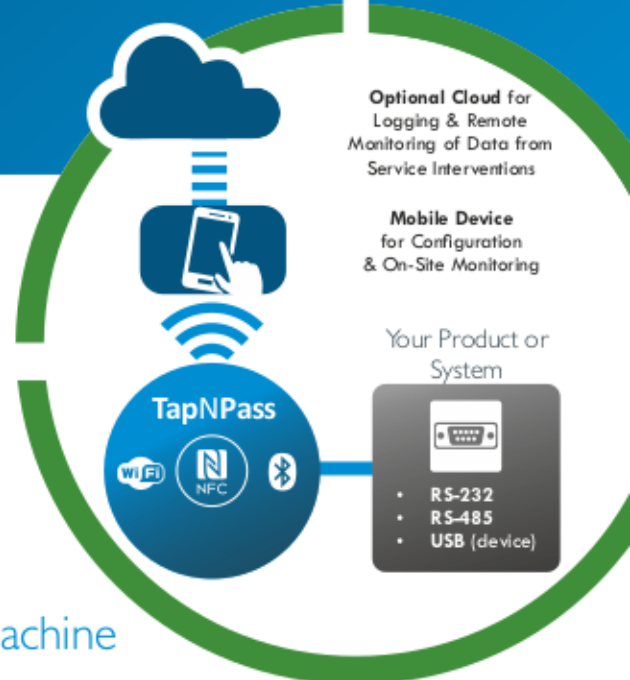
- Connection on **RS-232**, **RS-485** or **USB** fieldbus
- Qualified **BLE** or **Wi-Fi**
- **Near Field Communication** (NFC) for proximity wake-up & pairing

TapNPass

Wi-Fi · NFC · Bluetooth

Your Product or System

- **RS-232**
- **RS-485**
- **USB** (device)

Immediate Human-Machine Interfaces on Mobiles

TapNPass enables rapid, easy creation of HMI that are tailored to different user types (installers, maintenance techs, supervisors, etc.). TapNPass supports:

- **Auto-generation of HMI** from free *IoTize Studio* configuration software
- HMI **tailored to user profiles** & **access restrictions**
- API for **Android, iOS & Windows 10**
- Support of **Cordova & JavaScript**

Customizes by Simple Configuration

TapNPass implements without design effort by providing features that implement by configuration. No coding or expertise is required to implement:

- **Data read/write** with **profile-based authentication & access**
- **NFC wake up & pairing** for security & ease-of-connection
- **Strong authentication** & dynamic, multi-layer **AES-128 encryption**

Nomad & Fixed Product Lines
Portable Tools for Service Teams, or OEM Modules for Permanent Integration

- **Nomad line**: portable wireless tool, with rechargeable battery. Min 8 hour autonomy in constant communication.
- **Fixed line**: wireless module, powered by target system for permanent integration.

Part N°	Host Protocols (Mobiles)			Target Protocols			Battery (Li-ION)
	NFC	Bluetooth (BLE)	Wi-Fi	RS-232	RS-485	USB[1]	
NOMAD Line							
TnP NSR103	●	●	○	●	●	●	●
TnP NSW103	●	○	●	●	●	●	●
FIXED Line							
TnP FSR103 [2]	●	●	○	●	●	●	○
TnP FSW103 [2]	●	○	●	●	●	●	○

Notes:
1. TapNPass is a USB Host. It drives serial devices such as CDC, FTDI & SiLabs CP210x.
2. Pricing is available in quantities for OEM integration with optional branding customization possible.