iOTize™

TapNLink

PRIMER - NFC/Bluetooth Evaluation Kit

Wireless PoC in Minutes

Transform any microcontroller-based design into a wireless Proof-of-Concept (PoC). Enable connection to mobile devices. Create and test customized human-machine interfaces (HMI). Connect your design to the Cloud. TapNLink Primer supports you with:

- **Instant wireless integration**
- **Immediate HMI apps on mobiles**
- **Provisioned & Configured Cloud Platform**
- **Customization by configuration**

Evaluate TapNLink's **wireless implementations** for Near Field Communication (NFC) & Bluetooth Low Energy (BLE).

Try TapNLink **integration & customization** & enable connection to mobile devices & Cloud. No coding required. Just connect & configure!

Evaluate TapNLink's **NFC proximity wake up & pairing** for improved security & ease-of-connection.

FR

DE

EN

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

Instant Wireless Integration for PoC

To create your wireless Proof-of-Concept (PoC), TapNLink Primer connects directly to your MCU application hardware without coding or hardware redesign.

- **Requires only 2 GPIO** on your MCU
- **Supports debug protocol** on Cortex-M MCU's for fastest integration
- **Provides NFC** or **BLE** with integrated antennas
- **Library available** for quick PoC on non-Cortex **Arduino boards**
- **Includes STM32 Sensor Demo**, a fully functional sample to get you started

Provisioned & Configured Cloud
Supports Logging of Data from On-Site Connections

Software & API
Supports Auto-Generation of Customized HMI apps for Your System.

Your MCU-Based System

TapNLink
WiFi | NFC | Bluetooth

Connects on 2 GPIO !

Immediate HMI Apps for Mobiles

Use the free *IoTize Studio* environment to configure Primer with profile-constrained access to variables in your MCU application. IoTize developer resources support you with:

- **ELF file import** for application variables, types & addresses
- **Drag-n-drop** Primer configuration
- **Auto-generation of HMI apps** (APK, IPA)
- **API** & **examples for iOS, Android & Windows 10**
- **Cordova** & **JavaScript support**
- **Live view for app testing** & **single-click publication** of configurations & apps
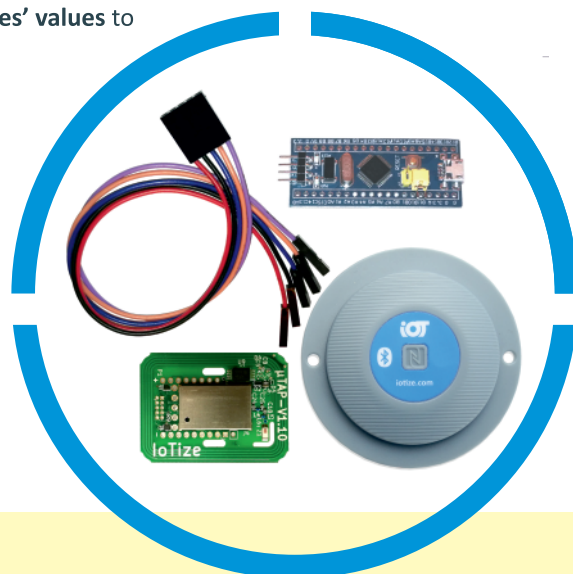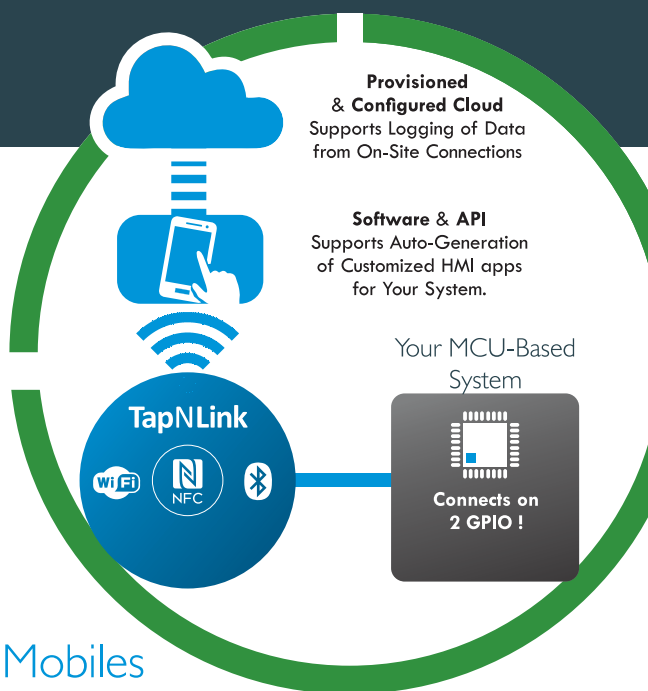
Resulting apps also allow **logging of variables' values** to a dedicated, provisioned Cloud.

Customizes by Simple Configuration

TapNLink implements without effort thanks to features that you simply configure. No coding or expertise is required to add advanced features to your system like:

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

Note: Compared to standard TapNLink modules, the PRIMER is an evaluation tool. Some feature limitations apply.

TapNLink PRIMER

Part N°	Host Protocols (Mobiles)			Target Protocols			Pricing (RRP)
	NFC	Bluetooth (BLE)	Wi-Fi	UART	SWD	S3P	
TAPNLINK PRIMERS							
TnL-PRIMER-NB	●	●	○	○	●	●	35€ ($39 USD)

INCLUDES: TapNLink wireless module, casing, connection cable, sample STM32 board & firmware, provisioned Cloud service platform. Free access to IoTize Studio configuration software, Tap Manager app & Cloud relay software.

NOT INCLUDED: Cloud services beyond the limit of initial provisioning. Micro USB cable for sample board power supply.