iOTize™

Create Your Wireless Proof-of-Concept in Minutes !

Wi-Fi · NFC · Bluetooth

TapNLink

PRIMER - Wi-Fi Evaluation Kits

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), or connect to the Cloud for remote alarms. TapNLink Primer supports you with:

- **Instant wireless integration**
- **Instant HMI apps on mobiles**
- **Instant dashboards for Cloud Platforms**
- **Customization by configuration**

Evaluate TapNLink's **wireless implementations** for Wi-Fi, 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.

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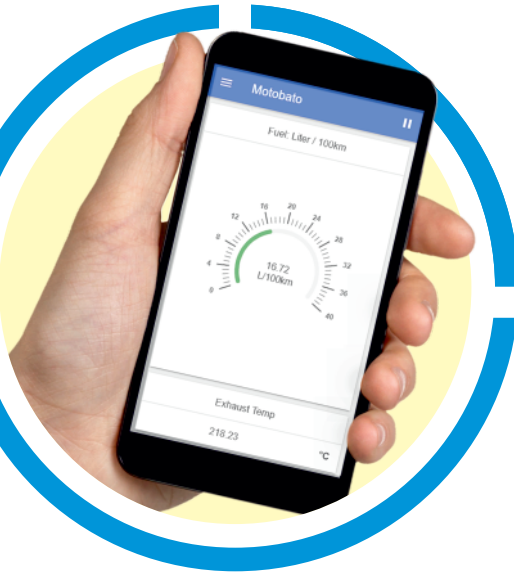
Instant Wireless Integration for PoC

To create your wireless Proof-of-Concept (PoC), TapNLink Primer connects directly to your MCU application hardware without coding or hardware redesign.
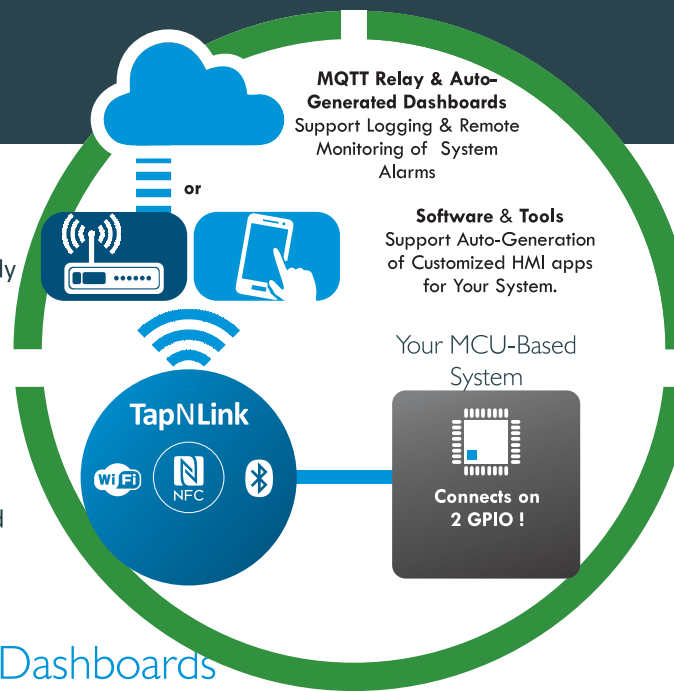
- **Requires only 2 GPIO** on your MCU
- **Supports debug protocol** on Cortex-M MCU's for fastest integration
- **Provides NFC** & **BLE**, or **Wi-Fi** with integrated antennas
- **Library available** for quick PoC on non-Cortex **Arduino boards**
- **Includes STM32 Sensor Demo**, a fully functional sample to get you started

MQTT Relay & Auto-Generated Dashboards
Support Logging & Remote Monitoring of System Alarms

or

Software & **Tools**
Support Auto-Generation of Customized HMI apps for Your System.

Your MCU-Based System

TapNLink
Wi-Fi — NFC — Bluetooth

Connects on 2 GPIO !

Auto-Generate Apps & Dashboards

Configure Primer in the free *IoTize Studio* environment to allow access to data from your MCU system from mobile devices, or from Cloud IoT platforms. IoTize supports you with:

- **ELF file import** of MCU resources including their types & addresses
- **Live view for app testing** & **single-click publication** of configurations & apps
- **Auto-generation of HMI apps** (APK, IPA)
- **Cordova** & **JavaScript support**
- **Open source MQTT implementation**
- **Auto-generated dashboards for supervision from Cloud IoT platforms**
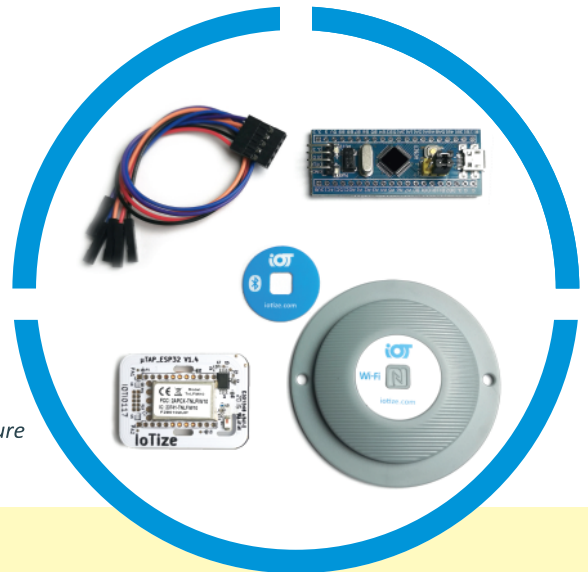
Customizes by Simple Configuration

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 Wi-Fi Primers

Part N°	Host Protocols (Mobiles)			Target Protocols			Pricing (RRP)
	NFC	Bluetooth (BLE)	Wi-Fi	UART	SWD	S3P	
TAPNLINK PRIMERS							
TnL-PRIMER-NBW	●	●	○	○	●	●	50€ ($59 USD)
TnL-PRIMER-IOT	●	●	●	○	●	●	

INCLUDES: TapNLink wireless module, module firmware for mobile <u>or</u> Cloud connection, casing, connection cable, sample STM32 board & firmware. IoTize Studio configuration software, server-based automatic app generation tools (APK), Tap Manager utility app (Android, iOS).

NOT INCLUDED: Cloud platform and services. Micro USB cable for sample board power supply.