

TapNLink Primer - Create Your Wireless Proof-of-Concept in Minutes !



TapNLink

PRIMER - 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 on mobile devices**
- **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 initiation & pairing** for improved security & ease-of-connection.

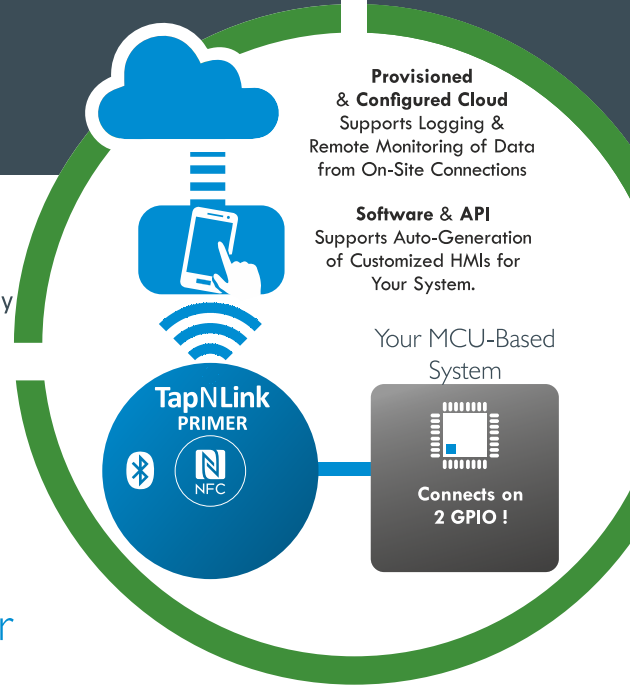


TapNLink modules remove technical hurdles by encapsulating complex technologies. Try it out with TapNLink PRIMER. Create your PoC on a Cortex M-based microcontroller in just minutes!

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** 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



Immediate HMI Apps for Mobile Devices

Rapidly create HMI that run as mobile apps. Use the free *IoTize Studio* environment to configure PRIMER with **user profiles**, **access rights** and **addresses to variables** in your MCU application. IoTize Studio and developer resources support rapid development with:

- **Auto-ELF file import** for application variables, types & addresses
- **Drag-n-drop creation** of configurations
- **Auto-generation of HMI** including login management
- API for **iOS & Windows 10** & many examples
- Support of **Cordova & JavaScript**
- **Live view for HMI testing & single-click publication** of configurations & apps

Resulting HMI apps allow profile-constrained, **read/write access to variables & logging of variables' values** to a dedicated Cloud whenever a mobile connects to PRIMER.



Customizes by Simple Configuration

TapNLink implements without design effort by providing features that implement by configuration. No coding or expertise is required get started with the most advanced connectivity features including:

- **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**

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	
TnL-PRIMER-NB	●	●	○	○	●	●	34€ (\$39 USD)

TAPNLINK PRIMERS

TnL-PRIMER-NB

INCLUDES: TapNLink NFC, BLE 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.

