IoTize Software Ecosystem

www.iotize.com

Complete Duetware solution and tool offer for instant mobile and cloud integration

IoTize Studio

Tap Cloud

Duetware (lwM2M, JVM)

For wireless integration of products with mobiles and the cloud, IoTize provides a complete software ecosystem that includes our embedded Duetware (lwM2M, JVM), utility apps, Ionic app generator, configuration environment, Java tools, MQTT, API, project examples and more.

This ecosystem speeds wireless integration, creation of human-machine interfaces and implementation of advanced features with minimal expertise and design effort.

Table Notes:
1. When available in wireless product. **2.** Trainings provided by video conference. **3.** Free with purchase of an evaluation board.
4. Minimum purchase is for three months. **5.** Only Xcode is provided for generation of IPA application packages for iOS devices.

	Free[3]	Standard	Pro	Enterprise
General Features				
Profile management	●	●	●	●
Dynamic Encryption	●	●	●	●
JVM[1]	●	●	●	●
MQTT	●	●	●	●
API (native, JS, ...)	●	●	●	●
App Generator (server-based, Ionic tools)				
N° of Developers	1	1	10	unlimited
N° of Projects	1	10	25	unlimited
N° of Builds	5/mo	50/mo	unlimited	unlimited
Configuration from IoTize Studio	●	●	●	●
Android APK	●	●	●	●
Project with source code	Xcode only	Xcode only	●	●
iOS IPA from project	from Xcode[5]	from Xcode[5]	●	●
Advanced configuration from server	○	○	●	●
API for custom objects	○	○	●	●
Multi-target static apps	○	○	●	●
Multi-target dynamic apps	○	○	○	●
Support				
Forum	●	●	●	●
Training	○	○	1[2]	3[2]
SLA	forum	email	email/phone	custom
	Free[3]	**100 €/mo**[4]	**800 €/mo**[4]	**2400 €/mo**[4]

IoTize Wireless Products

Duetware-based wireless modules & devices for instant mobile & cloud integration

www.iotize.com

For wireless connexion of your products with mobiles and with the cloud, IoTize **Duet**ware-based radio devices, and our complete software ecosystem enable rapid integration and creation of human-machine interfaces that enable **Configuration**, **Monitoring** and **Surveillance** of your products on-site or from remote IoT platforms.

- NFC 3-stroke configuration
- Configuration
- On-site monitoring
- Remote surveillance

TapNLink wireless modules

	Wireless Protocols	Wire Protocols	lwM2M [3]	JVM [4]	Power Consumption Transmit (Idle)		Typical Uses
TnL-FIT203	NFC	all offer S3P, SWD, Modbus, & UART [2]	●	○	1 mA/-3 mA	(1 µA) [1]	✎
TnL-FIR103	NFC, BLE [5]		●	○	20 mA	(80 µA)	✎ 🔍
TnL-FIW103	NFC, BLE [5], WiFi		●	●	180 mA	(80 µA)	✎ 🔍 👓
TnL-FIL103	NFC, LoRA		●	●	40 mA	(0.4 µA)	✎ 🔍 👓
TnL-FIL113	NFC, BLE [5], LoRA		●	●	40 mA	(0.4 µA)	✎ 🔍 👓

Table Notes:
1. NFC module in energy harvesting mode can be powered by the mobile phone. In this case the module provides a small current to the target and consumtion is negative.
2. Wire protocols connect the module to the target system. For S3P, Modbus and UART, a small firmware agent is generated automatically and must be linked into the existing firmware.
3. LwM2M requires only the user's configuration and can be associated with a branded, generated mobile app.
4. JVM allows the user to add a Java program that can perform tasks for simple edge computing, sending alarms, etc.   **5.** BLE - Bluetooth Low Energy

Tapioca industrial wireless devices

	Wireless Protocols	Wire Protocols		lwM2M [1]	JVM [2]	Typical Uses
TpC-FS2W123	NFC, BLE [3], WiFi	RS232		●	●	✎ 🔍 👓
TpC-FS4W123	NFC, BLE [3], WiFi	RS485	Modbus-RTU	●	●	✎ 🔍 👓
TpC-FS0W123	NFC, BLE [3], WiFi	USB device		●	●	✎ 🔍 👓
- preview -	NFC, BLE [3], WiFi	Ethernet	Modbus-TCP	●	●	✎ 🔍 👓
TpC-FS4L113	NFC, BLE [3], WiFi, LoRA	RS485	Modbus-RTU	●	●	✎ 🔍 👓

Table Notes:
1. LwM2M requires only the user's configuration and can be associated with a branded, generated mobile app.
2. JVM allows the user to add a Java program that can perform tasks for simple edge computing, sending alarms, etc.   **3.** BLE - Bluetooth Low Energy

TapNPass industrial wireless devices

	Wireless Protocols	Wire Protocols	lwM2M [3]	JVM [4]	Typical Uses
TnP-xSR103 [1]	NFC, BLE [5]	RS232, RS485 [2], USB host	●	○	✎ 🔍
TnP-xSW103 [1]	NFC, BLE [5], WiFi	RS232, RS485 [2], USB host	●	●	✎ 🔍 👓

Table Notes:
1. Available in ¨Fixed¨ (F, power from target) and portable ¨Nomad¨ (N, power from rechargeable battery) versions.   **2.** Supports Modbus-RTU protocol.
3. LwM2M requires only the user's configuration and can be associated with a branded, generated mobile app.
4. JVM allows the user to add a Java program that can perform tasks for simple edge computing, sending alarms, etc.
5. BLE - Bluetooth Low Energy