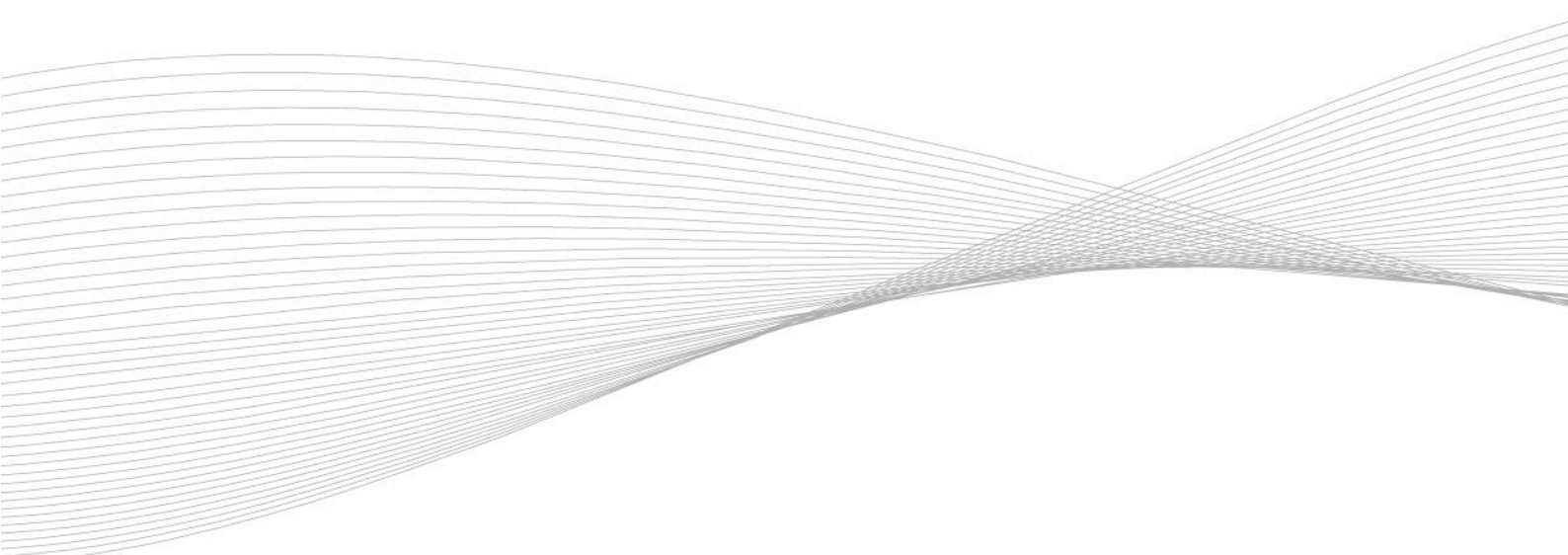# TWN4 MULTITECH 2 (M) BLE SERIES

PRODUCT CHANGE NOTIFICATION

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ELATEC
RFID Systems

TABLE OF CONTENTS

1.1 REVISION HISTORY

VERSION	CHANGE DESCRIPTION	EDITION
01	First Edition	06/2023

2 INTRODUCTION

2.1   REASON FOR CHANGE

In order to keep up with latest technologic advances, but also driven by considerations regarding chip availability, ELATEC is updating the TWN4 MultiTech 2 (M) series. Focus is on upward compatibility with existing product lines.

As a result of this change, the new TWN4 MultiTech 2 (M) series will be equipped with a newer Bluetooth® Low Energy module. A more detailed description of the affected products and associated variants is explained on the following pages.

3 CHANGE DESCRIPTION

The product change affects both, the hardware and the firmware of the product.

On the hardware side, a new BLE (Bluetooth® Low Energy) module is installed, that supports all the old functions and adds new possibilities. It is based on the latest technology platform, that ELATEC's technology partners offer. In order to support the new BLE technology in ELATEC's RFID reader/writer products, new bootloader and firmware versions are required.

All new products of the TWN4 MultiTech 2 (M) series will be equipped with the new hardware as well as bootloader and firmware ex-works. This notification is intended to inform our customers and partners, so they have the opportunity to respond and modify their product portfolio accordingly.

4 PARTS AND PRODUCTS AFFECTED

The PCN comprises the entire series of TWN4 MultiTech 2 (M) products supporting BLE. Non-BLE versions are not affected. Both, OEM PCBs (i.e. modules) and the desktop housing versions. All product variants and derivates are affected, they differ among others by different pin assignment, cable lengths, cable connectors, firmware options, colors, coated or uncoated PCB-variations and customer-specific derivates etc. The common product name is **TWN4 MultiTech 2 (M)**, with optional amendments to this name.

PART NUMBER	PRODUCT
T4BO-F7XXX-YYY	TWN4 MultiTech 2 M
T4BT-FXXX7-YYY	TWN4 MultiTech 2
T4BK-FXXX7-YY	TWN4 MultiTech 2 DT Kit
HPK4-FXXX7-YYY	TWN4 MultiTech 2 Pocket Kit

XXX = stands for interface indications, firmware customizations, housing colors or inlays
YYY = stands for firmware options, customizations

4.1 CUSTOMER SPECIFIC PRODUCTS

Customers and partners have the possibility to customize generic articles according to their wishes.

Modifications of customer-specific products are usually never made by ELATEC without prior consultation with the customer or partner. If you purchase customer specific products from ELATEC, which are based on the previously described products (this can be recognized by the product names and part numbers which are available in the product documentation) ELATEC would ask customers and partners to contact us.

5 SUCCESSOR

The latest version of the TWN4 MultiTech 2 (M) series is given the suffix XB in the part number. This enables customers and partners to distinguish between the current and the new version. The new TWN4 MultiTech 2 (M) series supports all the functions of its predecessor* and adds new capabilities.

Below you will find an overview with the indication of the replacement product for your device:

PRODUCT	PART NUMBER	SUCCESSOR	PART NUMBER
TWN4 MultiTech 2 M	T4BO-F7-YYY	TWN4 MultiTech 2 M	T4BO-F7-XB
TWN4 MultiTech 2	T4BT-FXXXX-YYY	TWN4 MultiTech 2	T4BT-FXXXX-XBYYY
TWN4 MultiTech 2	T4BK-FXXXX-YYY	TWN4 MultiTech 2	T4BK-FXXXX-XBYYY
TWN4 MultiTech 2 Pocket Kit	HPK4-FXXX7-YYY	TWN4 MultiTech 2 Pocket Kit	HPK4-FXXX7-XBYYY

XXXX = stands for interface indications, firmware customizations, housing colors or inlays
YYY = stands for firmware options, customizations

* The function to read or write 134kHz RFID transponders will be discontinued. If the 134kHz RFID transponder function is absolutely required, please contact your local sales team.

For more product information, availability and alternatives please contact your local sales team.

6 CUSTOMER IMPACT

The bootloader, firmware and product hardware update causes following impact for customers and partners:

- **Most important**: Customers and partners should test and release the new bootloader, firmware and hardware.

    - ELATEC will support customers with samples, if necessary.

    - Please contact ELATEC's customer service or the responsible salesman, if a sample is required:
        - Europe: Customer-service-puchheim@elatec.com
        - USA: CustomerServiceAmericas@elatec.com
        - Asia: apac-info@elatec.com

    - Please send the release of the bootloader and firmware to ELATEC's support team:
        - Europe: support-rfid@elatec.com
        - USA: Support-Americas@elatec.com
        - Asia: apac-info@elatec.com

    - The DevPack4.64 will be provided by ELATEC's support team. Please send a request, in case the DevPack is required.

- **The replacement of different radio components can influence the radio characteristics of the reader/writer. ELATEC has performed survey measurements, that confirm the conformity of the readers.**

- **Customers and partners who purchase readers/writers with housings from ELATEC usually do not need to perform any further tests / measurements because an device certification has been obtained from ELATEC. Available certifications vary per product and country, please contact ELATEC, if you have specific certification questions about your product.**

- **Customers and partners who purchase readers/writers without housing from ELATEC and implement the products in their devices may have to re-test their device. ELATEC has performed survey measurements, that confirm the conformity of the readers. However, the connected periphery can play a major role in the radio measurements and this can vary greatly per deployed hardware and used interfaces. ELATEC asks customers and partners to evaluate these effects for their certifications.**

7 TIMELINE AND AVAILABILITY OF THE TWN4 MULTITECH 2 (M) SERIES

The current TWN4 MultiTech 2 (M) is still available, if customers and partners want to continue to use the released hardware and firmware, ELATEC recommends its customers and partners to order these products as soon as possible.

An exact last time buy date can unfortunately not be given, ELATEC can only supply customers and partners until stocks lasts.
The chip crisis leading to a shortage of semiconductors has forced ELATEC to integrate new radio components into the products. By implementing new components, ELATEC can guarantee its customers better product availability even in this very volatile market situation.

The new TWN4 MultiTech 2 (M) is available, customers and partners can obtain further information as usual via the website and the data sheets.

8 CONTACT

For technical inquiries or questions, please contact:

Europe: support-rfid@elatec.com
USA: Support-Americas@elatec.com
Asia: apac-info@elatec.com

For commercial inquiries or questions, please contact:

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USA: CustomerServiceAmericas@elatec.com
Asia: apac-info@elatec.com