TWN4 MULTITECH 2 M
TWN4 MULTITECH 2
TWN4 MULTITECH 2 M LF HF
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PRODUCT CHANGE NOTIFICATION

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ELATEC
RFID Systems

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1 INTRODUCTION

1.1 REVISION HISTORY

VERSION	CHANGE DESCRIPTION	EDITION
01	First edition	05/2026

1.2 GENERAL DOCUMENT INFORMATION

This Product Change Notification (PCN) is issued to formally communicate a product related change that may affect form, fit, function, components, firmware, compliance, certification status of the affected product(s).

The purpose of this document is to provide transparent and timely information regarding the planned change, including its reason, implementation timeline, affected part numbers and potential impact on product performance, certification, regulatory compliance, or customer integration.

1.3 REASON FOR CHANGE

Elatec constantly monitors the semiconductor market situation and decided at an early stage of the component shortage to integrate an alternative and compatible microcontroller into selected product lines. As part of this transition, corresponding bootloader and firmware adaptations are also required to ensure full functionality, compatibility and long-term maintainability. This enables Elatec to maintain product availability and remain a reliable partner for our customers.

In addition to the semiconductor shortage, extended lead times for affected components continue to impact product availability. The implementation of an alternative microcontroller, including the related bootloader and firmware adjustment, helps to ensure stable supply capability and reasonable lead times for customers..

2 CHANGE DESCRIPTION

The integration of an alternative microcontroller as described in chapter 1.3. causes an upgrade of some product lines to a new **firmware version 5.07**. The new firmware 5.07 includes all features of the previous firmware versions.

The firmware version 5.07 requires a **bootloader version 1.65.** Please note that this bootloader version, isn't downwards compatible with older firmware versions than **firmware version 5.07**.
The version of the bootloader and the version of the firmware are visible on the label of the product,
i.e., G/**B1.65**/NKF**5.07**/STD2.04/B/BT2.00EL

3 PARTS AND PRODUCTS AFFECTED

The Product Change Notification (PCN) comprises the entire series of TWN4 MultiTech 2 M, TWN4 MultiTech 2, TWN4 MultiTech 2 M LF HF and TWN4 MultiTech 2 LF HF products. All product variants are affected, including coated or uncoated PCBA-variations and customer-specific derivates.

The PCN also includes all variants, due to the high number of affected part numbers, only the standard configurations are explicitly listed on this PCN. Other variants and derivates (e.g.: differ among others by different connectors, cable lengths, cable connectors, firmware options, colors etc.) belonging to the same product series are also affected, even if not individually listed. Customers can identify affected products based on the corresponding product name and product series designation.

The common product names are TWN4 MultiTech 2 M, TWN4 MultiTech 2, TWN4 MultiTech 2 M LF HF and TWN4 MultiTech 2 LF HF with optional amendments to those product names. Please find a list of all standard product part numbers, along with details of the firmware updates below.

PART NUMBER	OLD FIRMWARE VERSION	NEW FIRMWARE VERSION	OLD BOOTLOADER VERSION	NEW BOOTLOADER VERSION
T4BO-F7-XB	4.64	5.07	1.64	1.65
T4BO-F7-XBP	4.64	5.07	1.64	1.65
T4BO-F7-XBPI	4.64	5.07	1.64	1.65
T4BO-F7-XBPIAV	4.64	5.07	1.64	1.65
T4BO-F7-XBPIMAV	4.64	5.07	1.64	1.65
				1.65
T4BT-FB2BEL7-XB	4.64	5.07	1.64	1.65
T4BT-FB2WEL7-XB	4.64	5.07	1.64	1.65
T4BT-FC2BEL7-XB	4.64	5.07	1.64	1.65
T4BT-FC2WEL7-XB	4.64	5.07	1.64	1.65
T4BT-FR2BEL7-XB	4.64	5.07	1.64	1.65
T4BT-FR2WEL7-XB	4.64	5.07	1.64	1.65
T4BT-FB2BEL7-XBP	4.64	5.07	1.64	1.65
T4BT-FB2WEL7-XBP	4.64	5.07	1.64	1.65
T4BT-FC2BEL7-XBP	4.64	5.07	1.64	1.65
T4BT-FC2WEL7-XBP	4.64	5.07	1.64	1.65
T4BT-FR2BEL7-XBP	4.64	5.07	1.64	1.65

PART NUMBER	OLD FIRMWARE VERSION	NEW FIRMWARE VERSION	OLD BOOTLOADER VERSION	NEW BOOTLOADER VERSION
T4BT-FR2WEL7-XBP	4.64	5.07	1.64	1.65
T4BT-FB2BEL7-XBPI	4.64	5.07	1.64	1.65
T4BT-FB2WEL7-XBPI	4.64	5.07	1.64	1.65
T4BT-FC2BEL7-XBPI	4.64	5.07	1.64	1.65
T4BT-FC2WEL7-XBPI	4.64	5.07	1.64	1.65
T4BT-FR2BEL7-XBPI	4.64	5.07	1.64	1.65
T4BT-FR2WEL7-XBPI	4.64	5.07	1.64	1.65
T4BT-FB2BEL7-XBIMAV	4.64	5.07	1.64	1.65
T4BT-FB2BEL7-XBPIMAV	4.64	5.07	1.64	1.65
T4BT-FC2BEL7-XBIMAV	4.64	5.07	1.64	1.65
T4BT-FC2BEL7-XBPIMAV	4.64	5.07	1.64	1.65
T4BO-F6	4.64	5.07	1.64	1.65
T4BO-F6-AV	4.64	5.07	1.64	1.65
T4BO-F6-CO	4.64	5.07	1.64	1.65
T4BO-F6-P	4.64	5.07	1.64	1.65
T4BO-F6-PAV	4.64	5.07	1.64	1.65
T4BO-F6-PI	4.64	5.07	1.64	1.65
T4BO-F6-PIAV	4.64	5.07	1.64	1.65
T4BO-F6-SIMPL	4.64	5.07	1.64	1.65
T4BT-FB2BEL6	4.64	5.07	1.64	1.65
T4BT-FB2WEL6	4.64	5.07	1.64	1.65
T4BT-FC2BEL6	4.64	5.07	1.64	1.65
T4BT-FC2WEL6	4.64	5.07	1.64	1.65
T4BT-FR2BEL6	4.64	5.07	1.64	1.65
T4BT-FR2WEL6	4.64	5.07	1.64	1.65
T4BT-FB2BEL6-P	4.64	5.07	1.64	1.65
T4BT-FB2WEL6-P	4.64	5.07	1.64	1.65
T4BT-FC2BEL6-P	4.64	5.07	1.64	1.65
T4BT-FC2WEL6-P	4.64	5.07	1.64	1.65
T4BT-FR2BEL6-P	4.64	5.07	1.64	1.65
T4BT-FR2WEL6-P	4.64	5.07	1.64	1.65
T4BT-FB2BEL6-PI	4.64	5.07	1.64	1.65
T4BT-FB2WEL6-PI	4.64	5.07	1.64	1.65
T4BT-FC2BEL6-PI	4.64	5.07	1.64	1.65
T4BT-FC2WEL6-PI	4.64	5.07	1.64	1.65
T4BT-FR2BEL6-PI	4.64	5.07	1.64	1.65
T4BT-FR2WEL6-PI	4.64	5.07	1.64	1.65

PART NUMBER	OLD FIRMWARE VERSION	NEW FIRMWARE VERSION	OLD BOOTLOADER VERSION	NEW BOOTLOADER VERSION
T4BT-FB2BEL6-AV	4.64	5.07	1.64	1.65
T4BT-FB2BEL6-PAV	4.64	5.07	1.64	1.65
T4BT-FB2BEL6-PIAV	4.64	5.07	1.64	1.65

3.1 ADDITIONAL FIRMWARE CONFIGURATIONS

For some product variants, the last bootloader and the last firmware version may differ from the indication above. However, also in this case the bootloader and the firmware will be updated to the newest version specified above.

3.2 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 customer specific products have been purchased from ELATEC, which are based on the previously described products (this can be recognized by the product names, which are available in the product documentation) ELATEC would ask customers and partners to contact us.

The PCN describes the generic product changes only. Customer-specific configurations, adaptations and implementation details are intentionally omitted for confidentiality reasons.

4 CUSTOMER IMPACT

- **Most important**: Customers must test and release the new firmware

    - Elatec will support customers with samples, if necessary. Please contact Elatec's customer service or the responsible sales team, if samples are required:
        - Europe: customer.service.elatecde@allegion.com
        - USA: Customer.Service.Elatecus@allegion.com
        - Asia: Apac.Info.Elatec@allegion.com

    - Please send the release of the firmware to Elatec's support team:
        - Global: support.elatec@allegion.com

    - The DevPack5.07 will be provided by Elatec's support team. Please send a request, in case the DevPack is required

The replacement of specific radio components can influence the radio characteristics of the reader/writer. ELATEC has performed verification and compliance measurements confirming the conformity of the affected reader/writer products.

Customers and partners purchasing reader/writer products with ELATEC housings typically do not need to perform any additional certification activities, as the corresponding device certifications have already been obtained by ELATEC. Available certifications may vary depending on product type target country. Please contact ELATEC for product-specific certification information.

Customers and partners integrating reader/writer products without ELATEC housing into their own devices or systems may be required to perform additional validation, testing or certification activities. While ELATEC has verified the conformity of the reader/writer products, the final radio performance and compliance characteristics can be significantly influenced by the host hardware, connected peripherals, interfaces, enclosure materials, cable configurations, and overall system integration.

Customers and integration partners are therefore advised to evaluate whether additional validation, RF testing, or certification activities are required for their specific end-product application and target market.

5 TIMELINE

Due to the announced component transition, products containing the current main processor, bootloader and firmware revision will only be available while existing inventory lasts. Customers requiring the existing hardware and software configuration for compatibility, validation or regulatory reasons are requested to place their orders as soon as possible. Once current stock is depleted, all future deliveries will be supplied with the updated component and corresponding firmware configuration in accordance with this PCN.

The delivery of products containing the updated microcontroller, bootloader, and firmware is expected to start in July 2026. Due to varying inventory levels fluctuating product demand, and differences between product series and variants, an exact transition date cannot be guaranteed. July 2026 represents the earliest planned transition timeframe. Individual product series may transition at a later stage.

If customers or partners require specific product versions with dedicated bootloader or firmware revisions, this must be aligned individually. The implementation timeline depends on customer approval and release processes, Where possible, Elatec intends to introduce the product change with upcoming deliveries.

6 CONTACT

For technical inquiries or questions, please contact:

Global: support.elatec@allegion.com

For commercial inquiries or questions, please contact:

Europe: customer.service.elatecde@allegion.com
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