TWN4 MULTITECH SERIES AND

TWN4 MULTITECH LEGIC SERIES

PRODUCT CHANGE NOTIFICATION

ELATEC
RFID Systems

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1   INTRODUCTION

1.1   REASON FOR CHANGE

Due to the acute shortage of semiconductor technology, all sectors of the electronic industry face a chip allocation. Not only smartphones, cars, laptops, consumer electronics are affected, but also the RFID industry. Elatec constantly observes the chip market situation and decided to integrate an alternative and compatible type of the main processor in the TWN4 MultiTech and TWN4 MultiTech LEGIC series.

The discontinuation of the TWN4 MultiTech and TWN4 MultiTech LEGIC is not cancelled, the discontinuation is still valid. The exact timelines of the discontinuation can be found on our website under Product Discontinuations. The integration of the new micro controller unit (MCU) enables Elatec to maintain the product's delivery capability until the last production run in order not to compromise the discontinuation timeline.

1.2   REVISION HISTORY

VERSION	CHANGE DESCRIPTION	EDITION
01	First edition	08/2022
02	LEGIC Version added	03/2023

2   CHANGE DESCRIPTION

TWN4 MultiTech

The integration of an alternative main processor as described in chapter 1.1. causes an upgrade of some product lines to a new **firmware version 4.51**. The new firmware 4.51 includes all features of the previous firmware versions.

The firmware version 4.51 requires a **bootloader version 1.61.** Please note, that this bootloader version, isn't downwards compatible with older firmware versions than firmware version 4.51.

The version of the bootloader and the version of the firmware are visible on the label of the product, i.e., B/**B1.61**/NCF**4.51**/PRS1.04

TWN4 MultiTech LEGIC

The integration of an alternative main processor as described in chapter 1.1. causes an upgrade of some product lines to a new **firmware version 4.51**. The new firmware 4.51 includes all features of the previous firmware versions.

The firmware version 4.51 requires a **bootloader version 1.62.** Please note, that this bootloader version, isn't downwards compatible with older firmware versions than firmware version 4.51.

The version of the bootloader and the version of the firmware are visible on the label of the product, i.e., E/**B1.62**/CxB**4.51**/xxxxxx

3 PARTS AND PRODUCTS AFFECTED

TWN4 MultiTech

The delivery of products with the updated firmware will start in October 2022.

The PCN comprises the entire series of TWN4 MultiTech products. Both, OEM PCBs (i.e., modules) and the desktop housing versions. All product variants and derivates are affected, including customer-specific derivates.

The Product Change Notification also includes all variants, that differ among others by different cable lengths, cable connectors, firmware options, colors etc. The common product names are TWN4 MultiTech and TWN4 MultiTech M with optional amendments to those names.

PART NUMBER	OLD FIRMWARE VERSION	NEW FIRMWARE VERSION	OLD BOOTLOADER VERSION	NEW BOOTLOADER VERSION
T4DO-FXXX-YYY	1.64	4.51	1.06	1.61
T4DT-FXXX-YYY	1.64	4.51	1.06	1.61
T4DK-FXXX-YY	1.64	4.51	1.06	1.61
T4DH-FXXX-YYY	1.64	4.51	1.06	1.61
HPK4-FXXX-YYY	1.64	4.51	1.06	1.61

TWN4 MultiTech LEGIC

The delivery of products with the updated firmware will start in March 2023.

The PCN comprises the entire series of TWN4 MultiTech LEGIC products. Both, OEM PCBs (i.e., modules) and the desktop housing versions. All product variants are affected, including versions with SM-4200 and SM-4500 LEGIC frontends as well as coated or uncoated PCB-derivates and customer-specific derivates.

The Product Change Notification also includes all variants, that differ among others by different cable lengths, cable connectors, firmware options, colors etc. The common product names are TWN4 MultiTech LEGIC and TWN4 MultiTech LEGIC M with optional amendments to those names.

PART NUMBER	OLD FIRMWARE VERSION	NEW FIRMWARE VERSION	OLD BOOTLOADER VERSION	NEW BOOTLOADER VERSION
T4DO-BXXX-YYY	1.64	4.51	1.06	1.62
T4DT-BXXX-YYY	1.64	4.51	1.06	1.62
T4DK-BXX-YY	1.64	4.51	1.06	1.62

4 CUSTOMER IMPACT

The firmware update causes following impact for customers:

- **Most important**: Customers should test and release the new firmware.
    - o Elatec will support customers with samples, if necessary.
    - o 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
    - o Please send the release of the firmware to Elatec's support team:
        - Europe: support-rfid@elatec.com
        - USA: Support-Americas@elatec.com
        - Asia: apac-info@elatec.com
    - o The DevPack4.51 will be provided by Elatec's support team. Please send a request, in case the DevPack is required.

- **Replacing the MCU does not affect the radio characteristics of the readers. Elatec has performed survey measurements, that confirm the conformity of the readers.**

5 TIMELINE

TWN4 MultiTech

The delivery of products with the updated firmware will start in October 2022.

TWN4 MultiTech LEGIC

The delivery of products with the updated firmware will start in March 2023.

6 CONTACT

For technical inquiries or questions, please contact:

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