

TWN4 MULTITECH SERIES

PRODUCT CHANGE NOTIFICATION

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PCN number: PCN-220817-01

DocRev: 01

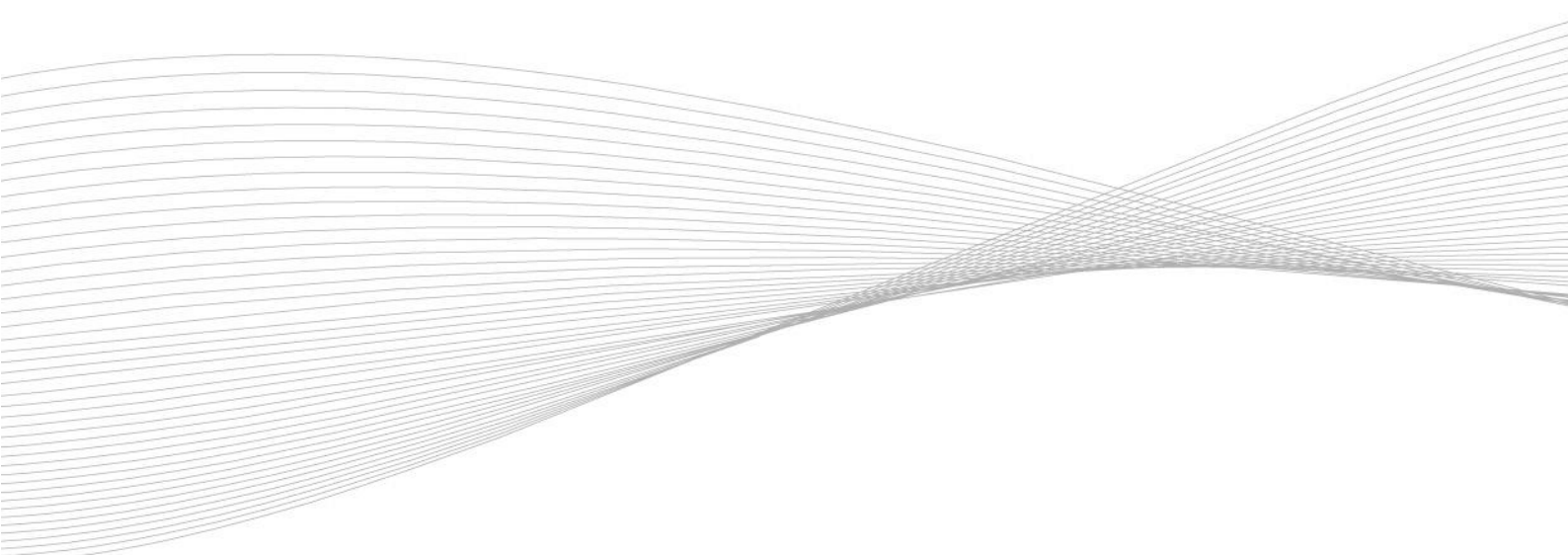


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1 INTRODUCTION

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 series.

The discontinuation of the TWN4 MultiTech series 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

2 CHANGE DESCRIPTION

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/NCF4.51/PRS1.04**

3 PARTS AND PRODUCTS AFFECTED

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 derivatives are affected, including customer-specific derivatives.

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

4 CUSTOMER IMPACT

The firmware update causes following impact for customers:

- **Most important:** Customers should test and release the new firmware.
 - 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 firmware to Elatec's support team:
 - Europe: support-rfid@elatec.com
 - USA: Support-Americas@elatec.com
 - Asia: apac-info@elatec.com
 - 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

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

6 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:

Europe: Customer-service-puchheim@elatec.com

USA: CustomerServiceAmericas@elatec.com

Asia: apac-info@elatec.com