TWN4 MULTITECH 2 LEGIC (M) SERIES

PRODUCT CHANGE NOTIFICATION

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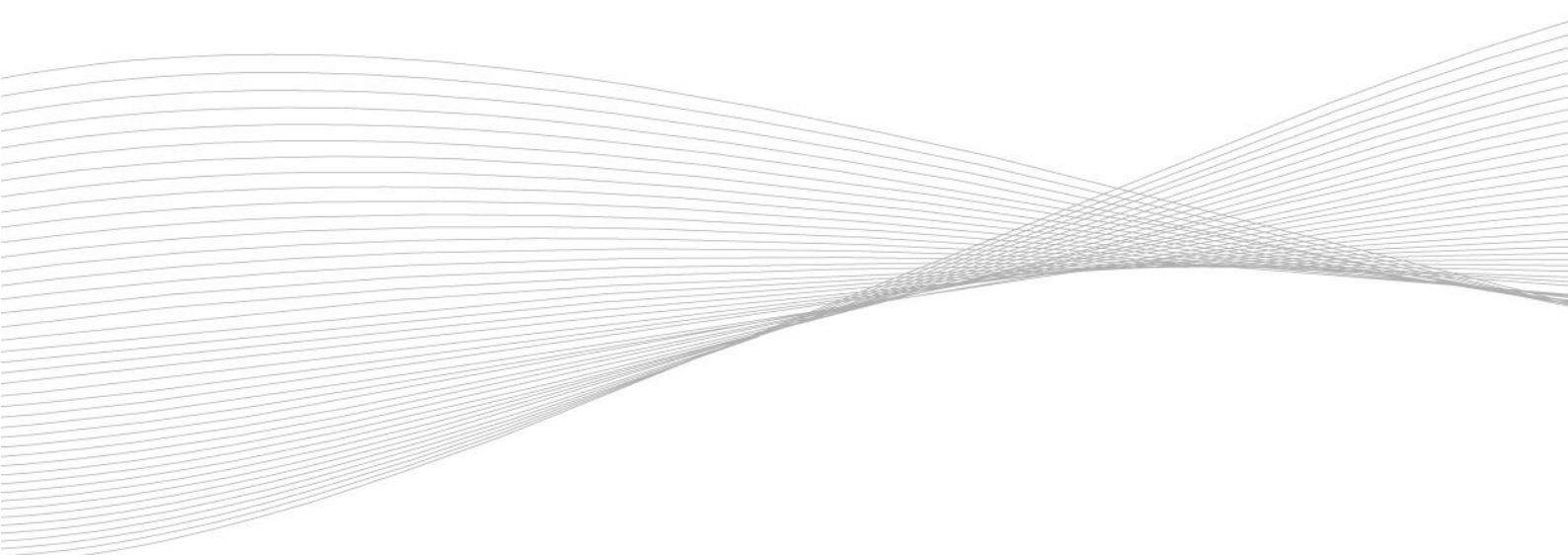DocRev: 01

ELATEC
RFID Systems

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1 INTRODUCTION

1.1 REVISION HISTORY

VERSION	CHANGE DESCRIPTION	EDITION
01	First edition	08/2024

1.2 REASON FOR CHANGE

Due to the shortage of semiconductor technology in recent years, some sectors of the electronic industry still face a few after effects. 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 2 LEGIC series.

The integration of the new micro controller unit (MCU) enables Elatec to maintain the product's delivery capability.
As part of the selection of an alternative controller, all necessary measures were taken to ensure the high quality and conformity of the products.

2 CHANGE DESCRIPTION

The integration of an alternative main processor as described in chapter 1.1. does not require a new firmware version.

The integration of an alternative processor does not require a firmware change, but the change will be visible on the product label. The indication of the product revision will be changed from B to C. An example is given below:

PART NUMBER	OLD PRODUCT LABEL	NEW PRODUCT LABEL
T4BO-B6	**B**/B1.64/NKB4.64/STD2.04	**C**/B1.64/NKB4.64/STD2.04

3 PARTS AND PRODUCTS AFFECTED

The PCN comprises the entire series of TWN4 MultiTech 2 LEGIC 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 2 LEGIC M and TWN4 MultiTech 2 LEGIC with optional amendments to those names.

PART NUMBER	PRODUCT
T4BO-B6XX-YYY	TWN4 MultiTech 2 LEGIC M
T4BO-B7XX-YYY	TWN4 MultiTech 2 LEGIC M BLE
T4BK-B6XX-YYY	TWN4 MultiTech 2 LEGIC M
T4BK-B7XX-YYY	TWN4 MultiTech 2 LEGIC M BLE
T4BT-BXXX6-YYY	TWN4 MultiTech 2 LEGIC 42 LF HF
T4BT-BXXX7-YYY	TWN4 MultiTech 2 LEGIC BLE
T4BK-BXXX6-YYY	TWN4 MultiTech 2 LEGIC 42 LF HF
T4BK-BXXX7-YYY	TWN4 MultiTech 2 LEGIC BLE
HPK4-BXXX-YYY	TWN4 MultiTech 2 LEGIC Pocket Kit

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

3.1   CUSTOMER SPECIFIC PRODUCTS

Customers and partners have the possibility to customize generic articles according to their wishes. If this option has already been used and customized products have been purchased from ELATEC, it may be necessary to upgrade the bootloader and firmware to support the new MCU. The new MCU is supported by firmware version 4.07 and higher.

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.

4 CUSTOMER IMPACT

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

5 TIMELINE

The delivery of products with the new MCU will start immediately, August 2024

6 CONTACT

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