

UG10141

C912Z User Guide

Rev. 1.0 — 15 July 2024

User guide

Document information

| Information | Content |
|-------------|------------|
| Keywords | C912Z |
| Abstract | User Guide |



1 What is the C912Z

The MagniV C912Z series is a 16-bit S12Z core MCU. It is an important product of NXP's C-line series tailored for the Chinese market. It is committed to providing excellent product quality in a localized supply chain system. With the manufacturing capabilities and technical reserves that NXP has established in China, it continues to provide C-line series products that meet global quality standards and are tailored for the local market.

2 C912Z and S912Z difference summary

The two series of products C912Z and S912Z are the same MCU, that is, all peripherals of the MCU in the two series are the same under the same memory size. Therefore, all existing software, hardware, tools, and so on, of S912Z can be directly used on C912Z and are 100% compatible with C912Z.

Summary of the differences:

- The part number of the C912Z series does not cover all S912Z series products.
- The contents of the reference manual and data sheet of the C912Z and S912Z series are the same.
- The C912Z series and the S912Z series have the same technology and quality.
- The C912Z series can reuse all technical resources on the S912Z. These resources include those provided by NXP (SW, IDE, AN) and any other partner validated resources such as toolchains from third parties.
- Switching from S912Z products to C912Z does not affect customers' research and development and mass production.

3 Revision history

Table 1. Revision history

| Document ID | Date | Description |
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| UG10141 v.1.0 | 15 July 2024 | Initial version |

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