

# RN00433

## Industrial Communication Creator Tool

Rev. 3.0 — 2 April 2026

Release notes

### Document information

Information	Content
Keywords	RN00433, Industrial Communication Creator, ICC
Abstract	This document is the release notes for the Industrial Communication Creator tool. Supports: MIMXRT1180-EVK.



## 1 Features

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The Unified Industrial Communication Creator (ICC) platform provides an integrated environment for configuring communication stacks and managing object dictionaries efficiently. It enables rapid development of industrial communication solutions using the NXP protocol stacks.

Protocol-specific functionality is delivered through dedicated plug-ins, allowing users to work within a single, unified tool rather than learning multiple interfaces.

The Industrial Communication Creator includes the core platform along with plug-ins for the following stacks and libraries:

- PROFINET
- EtherNet/IP
- CANopen
- EtherCAT

The tool provides the following functionalities.

- Generation of stack configuration files.
- Generation of software model definition files. For example, slots, modules, connections, object dictionary, and line topology.
- Generation of device description files (GSDML, EDS, ESI, CSP+).
- Context-sensitive user assistance for configuration parameters.
- Detection of common configuration issues.
- A guided, task-oriented workflow for step-by-step configuration.

## 2 Known restrictions

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Due to an incompatibility, the CAN CPU driver for embOS cannot be installed alongside other CAN CPU drivers. Remove the embOS driver before installing any additional CAN CPU driver.

## 3 How-to install

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Beginning with version v7.1.0, the ICC is provided as a portable application and no longer requires installation. Simply unzip the delivered archive and start using the tool. The procedure for installing the license file remains unchanged as demonstrated in the [video](#).

## 4 How to install plugins

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Support for new compilers, CAN/Ethernet/EtherCAT controllers, and CPUs can be added to the ICC through a plug-in.

The [video](#) provides a step-by-step guide for installing the plug-in. Although the example demonstrates plug-in installation for CANopen projects, the process is the same for other supported protocols, such as EtherCAT, PROFINET, and EtherNet/IP.

## 5 Using the ICC with IDEs

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This [video](#) tutorial demonstrates how to use the new PROFINET user-code feature when working with IDEs.

## 6 Revision history

[Table 1](#) summarizes the revisions to this document.

**Table 1. Revision history**

Document ID	Release date	Description
RN00433 v.3.0	02 April 2026	Initial public release

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