RZ/T2H, RZ/N2H OpenPLC Package Version 1.0.2
Release Note

R01US0730EJ0102
Rev. 1.02
Apr. 15, 2025

Introduction

This release note describes the contents and important points of the RZ/T2H, RZ/N2H OpenPLC Package.

Please also refer to the following documents that describe the Board Support Package (hereinafter referred to as "BSP") and the instruction to build BSP and boot the evaluation boards.

- r01us0681ej0102-rz-t2h-n2h(Release_Note_RZT2H_N2H).pdf
- r01us0682ej0102-rz-t2h-n2h(Linux_Start-up_Guide_RZT2H_N2H).pdf

Contents

1.   Release Items

- **Name and version**
  RZ/T2H, RZ/N2H OpenPLC Package Version 1.0.2

- **Target board**
  RZ/T2H Evaluation Board
  RZ/N2H Evaluation Board

- **Functions**
  OpenPLC

- **File contents**
  BSP is delivered by the files listed in Table 1.

Table 1. OpenPLC Package

RZ/T2H, RZ/N2H OpenPLC Package v1.0.2

File	Description
RTK0EF0177Z04000ZJ-v1.0.2.zip (*)	OpenPLC Package. This file includes the Yocto recipe and the necessary document.
0001-rzt2h-n2h-devtools-enable-tools-to-install-OpenPLC.patch	Patch file. This is used to build the test tool of OpenPLC.
r01us0730ej0102-rz-t2h-n2h(OpenPLC_Release_Note).pdf	This document.
r11an0844ej0102-rz-t2h-n2h(OpenPLC_AppNote).pdf	Application Note. This document explains how to install the OpenPLC Runtime.

Basic Packages of BSPv1.0.2

File	Description
RTK0EF0177Z00002ZJ-v1.0.2.zip (*)	Board Support Package. This file includes the **Yocto recipe packages** and the necessary documents.
rzt2h_n2h_bsp_v1.0.2.tar.gz	**Yocto recipe packages**
- HDR NM - Flash_Programmer_SCIF_CR52_RZT2H_EVK.mot	Flash Programmer. These are used for writing the bootloaders on the evaluation board.
r01us0681ej0102-rz-t2h-n2h(Release_Note_RZT2H_N2H).pdf	BSP release note.
R01us0682ej0102-rz-t2h-n2h(Linux_Start-up_Guide_RZ/T2H_N2H).pdf	Documents describing booting method and the required settings of bootloader for RZ/T2H, RZ/N2H.

(*)   These packages are provided "AS IS" with no warranty and the license which is described in the source code.
        Please check the contents of the license, then consider the applicability to the product carefully.

2. Components

The components which are commonly used in this release are listed in Table 2. Please also refer to the manifest file for details. The manifest file is created in the following path after building the images:

Example:

`$WORK/build/tmp/deploy/images/rzt2h-dev/core-image-minimal-rzt2h-dev.manifest`

Or

`$WORK/build/tmp/deploy/images/rzn2h-dev/core-image-minimal-rzn2h-dev.manifest`

Table 2. Versions of commonly used components

Components	BSP v1.0.1	BSP v1.0.2
Linux kernel	5.10.145-cip17	5.10.145-cip17
GCC	8.3.0 (Arm GCC 8.3-2019.03)	8.3.0 (Arm GCC 8.3-2019.03)
busybox	1.30.1	1.30.1
Qt (LGPL version)	5.6.3	5.6.3
Docker	19.03.8-ce	19.03.8-ce

3. Changes

The following table lists the changes from the previous version.

Table 3. Changes from OpenPLC Package v1.0.1 to v1.0.2

Features	Description
Package	- Newly support RZ/T2H, RZ/N2H BSPv1.0.2. The functions of OpenPLC are not changed.

4. Restrictions

None.

5. Notes

None.

6.　Revision History

| Rev. | Date | Description | |
		Page	Summary
1.00	Nov. 26, 2024	-	First edition issued.
1.01	Dec. 23, 2024	-	Add RZ/N2H Evaluation Board.
1.02	Apr. 15, 2025	-	Newly support RZ/T2H, RZ/N2H BSPv1.0.2.

Website and Support

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