

# RZ/T2H Time-sensitive Network Package

## Version 1.0.0

R01US0751EJ0100  
Rev. 1.00  
Nov. 26, 2024

### Release Note

#### Introduction

This release note describes the contents and important points of the RZ/T2H Time-sensitive Network Package.

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

- r01us0681ej0xxx-rz-t(Release Note RZT2H).pdf
- r01us0682ej0xxx-rz-t(Linux\_Start-up\_Guide\_RZT2H).pdf

“xxx” is replaced with the revision of the documents.

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## 1. Release Items

- **Name and version**  
RZ/T2H Time-sensitive Network Package Version 1.00
- **Target board**  
RZ/T2H Evaluation Board
- **Functions**  
Time-Sensitive Network Stack (gptp, TDMA Driver, LLDP, SRP, YANG, NETCONF, EAP)

**Table 1. TSN List**

Stack Name	OSS	License	URL
gPTP	LinuxPTP	GPL-2.0	<a href="https://github.com/richardcochran/linuxptp/tree/v2.0.1">https://github.com/richardcochran/linuxptp/tree/v2.0.1</a>
TDMA Driver	-	-	-
LLDP	lldpd	ISC	<a href="https://github.com/lldpd/lldpd/tree/1.0.4">https://github.com/lldpd/lldpd/tree/1.0.4</a>
YANG	libyang	BSD-3-Clause	<a href="https://github.com/CESNET/libyang/tree/v2.1.111">https://github.com/CESNET/libyang/tree/v2.1.111</a>
NETCONF	libnetconf2	BSD-3-Clause	<a href="https://github.com/CESNET/libnetconf2/tree/v2.1.37">https://github.com/CESNET/libnetconf2/tree/v2.1.37</a>
EAP	Freeradius	GPL-2.0 license	<a href="https://github.com/FreeRADIUS/freeradius-server/tree/release_3_0_20">https://github.com/FreeRADIUS/freeradius-server/tree/release_3_0_20</a>

- **File contents**  
BSP is delivered by the files listed in Table 2.

**Table 2. TSN Package**

### TSN Package v1.0.0

File	Description
RTK0EF0177Z05000ZJ-v1.0.0.zip (*)	TSN Package. This file includes the Yocto recipe and the necessary document.
meta-rz-tsn_v1.0.0.tar.gz	Yocto recipe for TSN.
r01us0751ej0100-rz-t(TSN_Release_Note).pdf	This document.
r11an0932ej0100-rz-t(TSN_AppNote).pdf	This file describes how to build and use TSN Package.

**Basic Packages of BSPv1.0.0**

<b>File</b>	<b>Description</b>
RTK0EF0177Z00002ZJ-v1.0.0.zip (*)	Board Support Package. This file includes the <b>Yocto recipe packages</b> and the necessary documents.
rzt2h_bsp_v1.0.0.tar.gz	<b>Yocto recipe packages</b>
- HDR NM - Flash_Programmer_SCIF_CR52_RZT2H_EVK.mot	Flash Programmer. These are used for writing the bootloaders the evaluation board.
r01us0681ej0100-rz-t(Release_Note_RZT2H).pdf	BSP release note.
R01us0682ej0100-rz-t(Linux_Start-up_Guide_RZ/T2H).pdf	Documents describing booting method and the required settings of bootloader for RZ/T2H.

(\*) 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 3. 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
```

**Table 3. Versions of commonly used components**

<b>Components</b>	<b>BSP v1.0.0</b>
Linux kernel	5.10.145-cip17
GCC	8.3.0 (Arm GCC 8.3-2019.03)
busybox	1.31.1
Qt (LGPL version)	5.6.3
Docker	19.03.8-ce

### 3. Restrictions

None.

#### 4. Notes

None.

## 5. Revision History

Rev.	Date	Description	
		Page	Summary
1.00	Nov. 26, 2024	-	First edition issued.

## Website and Support

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