

AVNET[®]

/ RZBOARD V2L

Linux Yocto Release Note

V2.4

Release History

Rev.	Note	Date	Author
V2.2	RzBoard Release Based on Linux 5.10.145	2023/07/10	Lily
V2.3	RzBoard Release Based on Linux 5.10.175	2023/11/03	Lily
V2.4	RzBoard Release Based on Linux 5.10.201	2024/10/30	Lily

RzBoard-Linux-Yocto-ReleaseNote

1 Product Overview Introduction

- Software provides Yocto layers supporting RzBoard Device to build customized Linux Distro / Image.
- An evaluation image with Weston Desktop.

2 Release Version

RzBoard-Linux-Yocto-ReleaseNote-V2.4	
Avnet board name	RzBoard
Based on NXP bsp Version	5.10.201
Based on Hardware Version	V1.2
Release Date	2024/10/30
Release Description	Release for updating bsp version to 5.10.201
Image Type	Yocto
Based on Yocto Version	Dunfell (3.1.31)
Pre-built Image	avnet-core-image-rzboard-20241025085125.rootfs.wic
Manifest	avnet-core-image-rzboard-20241025085125.rootfs.manifest
Bootloader Image	bl2_bp-rzboard.srec, fip-rzboard.srec, Flash_Writer_SCIF_rzboard.mot

3 Feature List

RzBoard-Linux-Yocto-V2.4 Feature List	
Avnet board name	RzBoard
Development Based on	Renesas RZ/V2L
Image Type	Yocto Image
Yocto Version	Dunfell (3.1.31)
U-Boot Version	2021.10
Kernel Version	5.10.201
Boot	eMMC/QSPI boot
Device-tree	Device-tree Overlay supported
Desktop	Weston 8.0
network	100M Ethernet (RJ45)
USB	2 x USB 2.0 Host 2 x UART debug ports from USB 2.0 Device
Expansion Interface	Pi HAT 40 Pin Expansion Interface (I2C,UART,SPI and GPIO)
Wireless Communication	WIFI & BLE 5.0
Display Output	MIPI-DSI display & HDMI display
Audio	1 Audio playback
Camera	MIPI-CSI Camera/USB Camera

4 Known issues and Limitations

Issue ID.	Issue Description	Workaround
1	Bluetooth: BR/EDR no support for music play, because UART hardware cannot work at 3Mhz baud rate.	
2	DRP-AI USB Camera HTTP Demo: Due to unresolved conflicts with Edge Impulse or nodejs, this feature was	

	removed from this version.	
--	----------------------------	--

5 Other

- None.