

Ubuntu for Renesas RZ/G2L, G2LC, G2UL - Single Image supports various boards

Release Note (x04)

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Contents

Contents	2
Purpose	2
Image download and Installation instructions	3
Installation Instruction	3
Tested Hardware Platforms	3
List of Features enabled in this release	3
Known Issues	4

Purpose

This is a Beta release of Ubuntu on Renesas IoT Platforms for the Renesas RZ/G2L, RZ/G2UL and RZ/G2LC. The certified version is coming soon.

Image download and Installation instructions

Ubuntu Desktop version has recommended minimum System Requirements as defined in Ubuntu official site: <https://ubuntu.com/download/desktop> . The Desktop version does not work on RZ/G2UL or RZ/G2LC boards.

Boards currently supported are: RZ/G2L, RZ/G2LC and RZ/G2UL.

Installation Instruction

Refer to <https://ubuntu.com/download/renesas-iot> and download the latest **image installation instructions** for the target platform.

Tested Hardware Platforms

- Renesas RZ/G2L (RTK9744L23S01000BE) (Non Secure Type)
- Renesas RZ/G2LC (RTK9744C22S01000BE) (Non Secure Type)
- Renesas RZ/G2UL (RTK9743U11S01000BE) (Non Secure Type)

List of Features enabled in this release

Devices/ Features	Features Description	Feature Implementation Status		
		RZ/G2L	RZ/G2LC	RZ/G2UL
Bootloader	Provided by Renesas	Supported	Supported	Supported
Secure Boot		Not supported	Not supported	Not supported
GPU	Supported with mesa	Supported	Supported	Not Available
microSD card	microSD card reader on the carrier board	Supported	Supported	Supported

Display	microHDMI	Supported	Supported	Supported
Ethernet		Supported	Supported	Supported
USB-A		Supported	Supported	Supported
Mali		Supported	Supported	Not Available
Camera		Supported	Supported	Supported
<ul style="list-style-type: none"> • Not Available: no hardware device presented on the board • Not Supported: Not working in current release and to be supported in future release 				

Known Issues

- System is not able to complete the reboot cycle if watchdog is probed
- IP not assigned on second reboot due to changing MAC
 - This affected EVK that didn't have a permanent MAC configured.
 - Workaround: Refer to Section 3. Tips in [image installation instruction](#)
- Secure boot was not enabled on UEFI classic image
- [Ubuntu Desktop] Audio is not working on Desktop environment
- CPU governor "conservative" not working as expected