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

Release Note (x08)

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Contents

Purpose

The Ubuntu Server 24.04 image and Ubuntu Core 24 image are **Ubuntu Certified** for the RZ/G2L and RZ/G2LC platforms.

Certification for the RZ/G2UL platform is **in progress** and will be provided in a future update. Until certification is completed, the image may be used on RZ/G2UL for **development and evaluation purposes.**

Production deployments on RZ/G2UL are recommended once Ubuntu Certification becomes available.

Production deployments and distribution of Ubuntu images requires purchasing Ubuntu Pro. Contact Canonical for further information

The Desktop image is a reference image of Ubuntu on Renesas RZ/G2L IoT Platforms for development and evaluation purposes. The Desktop version does not work on RZ/G2UL or RZ/G2LC boards.

Please note that, due to memory requirements of Ubuntu Desktop (minimum 4 GB RAM for 24.04), RZ/G2L evaluation kit is not Ubuntu Desktop Certified. Desktop images on these devices are therefore not recommended for production use.

For production deployments, Ubuntu Server or Ubuntu Core images are recommended. Please contact Canonical for Ubuntu Desktop deployment on higher-memory RZ/G2L platforms.

Image download and Installation instructions

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
- Renesas RZ/G2LC
- Renesas RZ/G2UL

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[*2]	With Ubuntu Core	Supported	Supported	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 [*1]
● 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

- 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

- [Ubuntu Desktop] Audio is not working on Desktop environment

- [*1] [G2UL] Camera fail to take picture with fail rate - v4l2 got stuck at VIDIOC_DQBUF

- [*2] Secure Boot and FDE require the secure component in the SoC and explicit setup. Please contact Canonical for more information.