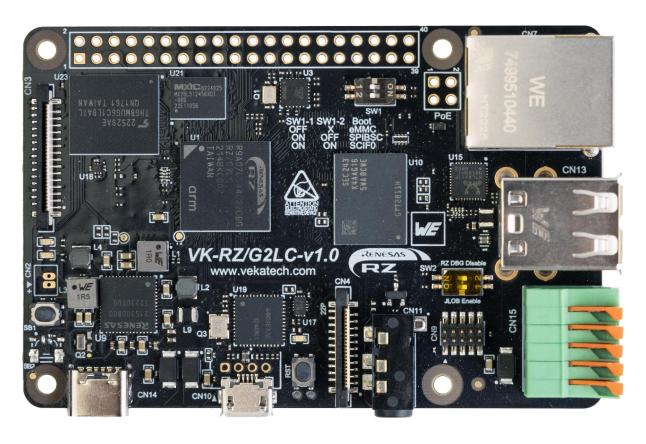


VK-RZ/G2LC How to Install Mali on Debian



VK-RZ/G2LC v1.0 Board



How To Install Mali on Debian

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How To Install Mali on Debian

1. Introduction

VK-RZ/G2LC is industrial oriented board, compatible with Raspberry Pi 4 shields. It is based on Renesas R9A07G044C22GBG, Dual ARM Cortex-A55 + Cortex-M33 MCU. The main purpose of this manual is to show how to install Mali GPU driver on Debian. For more info about this board, please read the full manual.

2. Instalation

Renesas RZ/G2LC MCU is equipped with **Mali-G31** GPU on chip. The driver supplied from Renesas is only compatible with **Wayland** display server protocol. To take full advantage of the GPU driver, the OS should natively support Wayland protocol. One of the graphical environments, that has such support & this particular driver is tested on, is **Weston**. That is why, there is a **Weston** debian image with Mali GPU driver preinstalled, which can be downloaded from here & directly written to the uSD or VK-RZ/G2LC's mmc, following the manual. In case you are already using LXDE debian image from here, you can still install the driver and start using weston, following these steps:

- ➤ Install Mali-G31 on the target board (VK-RZ/G2LC with LXDE Debian 12.x).
 - → On the target board, get the script for installation:

```
wget https://vekatech.com/os/debian/get_mali.sh.
```

→ On the target board, make it executable:

```
chmod +x get_mali.sh.
```

→ On the target board, Install Mali-G31:

```
./get mali.sh.
```



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Revision overview list

Revision number	Description changes
0.1	Initial

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