

REVOLUTION PI

Release Notes
Buster for RevPi Core, RevPi Connect,
RevPi Compact and RevPi Flat
KUNBUS GmbH

8/8/2022

1 Release Notes Buster 08/2022

Support for Connect SE

The image contains updates of the kernel and of piserial to support the new RevPi Connect SE. It is otherwise identical with the image 05/2022. The new kernel contains bugfixes which benefit the entire RevPi product line.

Raspberry Pi OS Buster

As before, our image is based on Raspberry Pi OS 2022-01-28, which in turn is based on Debian Buster. Therefore, basic features of the OS remain identical (e.g. suite of the APT repository, system identification in the file `/etc/issue`). More details about Raspberry Pi OS updates are available at https://downloads.raspberrypi.org/raspios_oldstable_armhf/release_notes.txt.

Based on the Raspberry Pi OS, we have performed certain customizations such as removing unnecessary packages, adding APT repositories and installing customized packages from KUNBUS. More details are available at <https://github.com/RevolutionPi/imagebakery>.

The image includes all package updates released by the Raspberry Pi Foundation until May 2022 and released by the Revolution Pi project until August 2022. It comes with kernel 5.10.120-rt70.

Third-party Software

No updates.

piserial

piserial was updated to version 2.1.1-1. To provide a clearer user interface, the text menu of revpi-factory-reset was simplified and the unnecessary entry for the RevPi Core SE was removed. Execution of revpi-factory-reset is unnecessary on the RevPi Core SE because its configuration is stored in a HAT EEPROM.

raspberrypi-kernel

raspberrypi-kernel was updated to version 9.20220728-5.10.120+revpi1. The package contains support for the new RevPi Connect SE in the form of a device tree overlay and adjustments in piControl.

Additionally, we have fixed a link detection issue of USB Ethernet interfaces which occurred when connecting a RevPi to another device without an intermediary switch.

In piControl we have fixed an issue whereby multiple concurrent driver resets (`piTest -x`) could crash the system.

The kernel now contains mitigations against Spectre attacks.

For details on further changes please take a look at <https://github.com/RevolutionPi/kernelbakery/blob/master/debian/changelog>.

revpiloader

revpiloader was updated to version 0.9.8. It fixes an MQTT object scan issue. For further information please consult <https://github.com/naruxde/revpiloader/commits/master>.