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 .

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