Software Package for DRP/BXP/RKP Series Computers (Linux drivers and SDK) Release Notes

Version: v1.3	Build: 26013009
Release Date: Sep 18, 2025	

Applicable Products

BXP-A100 Series, BXP-C100 Series, DRP-A100 Series, DRP-C100 Series, RKP-A110 Series, RKP-C110 Series

Supported Operating Systems

CentOS 7.9, Debian 11.x, Debian 12.x, RHEL 9, Ubuntu 22.04, Ubuntu 24.04

New Features

- Adds workflows to support file install, uninstall, self-test, and dry-run.
- Adds workflows to support package install, uninstall, self-test, and dry-run.
- Adds options to show install, uninstall, self-test, and dry-run information for files and packages.
- Adds daughter-board detection utility to get board index from EEPROM.
- Adds a system diagnostic tool.
- Supports text-based user interface for custom configuration
- Supports auto generation of changelog from product dry run lists.
- Supports PT IO board for the BXP/DRP/RKP Series
- Add a errata format.

Enhancements

N/A

Bugs Fixed

N/A

Changes

- Improves self-test results for "libgpiod" and "moxa-mcu-manager".
- Installs watchdog package on Rocky Linux.
- Installs moxa-x86-control-tools corresponding to the product daughterboard.
- Shows product name instead of hardware board ID.
- Renames change log file to CHANGELOG.md.
- Includes the following refactoring for the new build mechanism:
  - Adopts the two-part version format (major.minor).
  - Removes category-version config build.
  - Removes source version compare function.

Notes

N/A

Version: v1.2	Build: Build_20250505
Release Date: Jun 13, 2025	

Applicable Products

BXP-A100 Series, BXP-A101 Series, BXP-C100 Series, DRP-A100 Series, DRP-C100 Series, RKP-A110 Series, RKP-C110 Series

Supported Operating Systems

CentOS 7.9, Debian 10.x, Debian 11.x, Debian 12.x, RHEL 9, Ubuntu 22.04

New Features

- Adds support for Debian 12, Ubuntu 22.04 HWE, and CentOS 7.9.
- Adds Moxa Computer Interface Manager (MCIM) wrapper.
- Adds moxa-f81604-driver for f81604 CAN bus support
- Adds moxa-mxu11x0-driver for UPort 1100 support.
- Adds test automation scripts.

Enhancements

- Upgrades moxa-x86-control-tools from version 1.8.1 to 2.13.1.
- Upgrades moxa-it87-wdt-driver from version 5.7 to 5.8.
- Upgrades x86-linux-install-wizard from version 1.4.0 to 1.26.1.

Bugs Fixed

- UART mode 3 return string issue.
- Super IO gets wrong value from serial mode GPIO when LDN register is set.
- A compilation issue of the mxuport driver in later versions of RHEL 9.

Changes

- Adopts libgpiod 2.0+1.0.0 for kernel 5.x/6.x.

Notes

The following kernel versions of the OSes are supported:
- Debian 12 (kernel 6.1)
- Debian 11 (kernel 5.10)
- RHEL 9 (kernel 5.14)
- Ubuntu 22.04 HWE (kernel 6.8)
- Ubuntu 22.04 LTS (kernel 5.15)

Version: v1.0	Build: Build_23100618
Release Date: Oct 06, 2023	

Applicable Products

BXP-A100 Series, BXP-C100 Series, DRP-A100 Series, DRP-C100 Series, RKP-A110 Series, RKP-C110 Series

Supported Operating Systems

Debian 11.x, RHEL 9, Ubuntu 22.04

New Features

• First release.

Enhancements

N/A

Bugs Fixed

N/A

Changes

N/A

Notes

• The following kernel versions of the OSes are supported:
  - Debian 11 (kernel 5.10)
  - RHEL 9 (kernel 5.14)
  - Ubuntu 22.04 LTS (kernel 5.15)