

# LDPRN

## Linux Distribution POC Release Notes

Rev. L5.15.52\_2.1.0-LDP —  
25 November 2022

Release notes

### Document information

| Information | Content   |
|-------------|---|
| Keywords    | i.MX, Linux, Linux distribution, L5.15.52_2.1.0-LDP   |
| Abstract    | Linux distribution release provides Proof of Concept (POC) build for demo purposes. Product redistribution is not allowed due to this release's increased license restrictions. |



## 1 Overview

Linux distribution release provides Proof of Concept (POC) build for demo purposes. Product redistribution is not allowed due to this release's increased license restrictions.

This document provides important information about the package contents, POC features, known issues and limitations in this release.

This release has passed the POC quality test for the integrated features on the selected boards.

This POC is verified on the following boards.

**Table 1. i.MX target build machines**

| Build machine | Target board                                      |
|---------------|---|
| imx8mpevk     | i.MX 8M Plus EVK                                  |
| imx8mqevk     | i.MX 8M Quad EVK                                  |
| imx8mmevk     | i.MX 8M Mini EVK                                  |
| imx8mnevk     | i.MX 8M Nano EVK                                  |
| imx8qmmek     | i.MX 8QuadMax MEK                                 |
| imx8qxpc0mek  | i.MX 8QuadXPlus MEK with silicon revision C0 chip |

**Table 2. Layerscape target build machines**

| Build machine   | Target board |
|-----------------|--------------|
| lx2160ardb-rev2 | LX2160ARDB   |
| lx2162aqds      | LX2162AQDS   |
| ls1012ardb      | LS1012ARDB   |
| ls1012afrwy     | FRWY-LS1012A |
| ls1021atwr      | TWR-LS1021A  |
| ls1028ardb      | LS1028ARDB   |
| ls1043ardb      | LS1043ARDB   |
| ls1046afrwy     | FRWY-LS1046A |
| ls1046ardb      | LS1046ARDB   |
| ls1088ardb      | LS1088ARDB   |
| ls2088ardb      | LS2088ARDB   |

## 2 Release Content

This release consists of the following:

- Layerscape/i.MX build meta layer
- i.MX prebuilt packages ([Table 3](#))
- Documentation

Table 3. i.MX prebuilt desktop packages

| Package                                      | Description   |
|--|---|
| imx-gpu-viv-6.4.3.p4.4d-aarch64.bin          | i.MX Graphics libraries for all i.MX 8                                      |
| imx-gpu-g2d-6.4.3.p4.4d-aarch64.bin          | i.MX Graphics G2D library for all i.MX 8                                    |
| libgpuperfct-6.4.3.p4.4d-aarch64-wayland.bin | i.MX Graphics profiler libraries for all i.MX 8                             |
| isp-imx-4.2.2.19.0.d.bin                     | i.MX Image Signal Processing library for i.MX 8M Plus                       |
| imx-dpu-g2d-2.1.2d.bin                       | i.MX Graphics G2D library with DPU blitter for i.MX 8QuadMax and 8QuadXPlus |
| imx-vpu-hantro-vc-1.9.0d.bin                 | i.MX Hantro VPU encoder prebuild library for i.MX 8M Plus                   |

### 3 Known Issues and Limitations

The following table lists the known issues and limitations for i.MX desktop. For Layerscape known issues, see the *Layerscape Linux Distribution POC User Guide* (LLDPUG).

Table 4. i.MX known issues and limitations

| Issue       | Description   | Custom field (Severity)                  | Workaround   |
|-------------|---|--|--|
| MMFMWK-9037 | The video aborts when the playback speed is changed sometimes.              | 3-Moderate (apparent functional problem) | It will be fixed in next release.  |
| MMFMWK-9138 | The video player's UI shows abnormal border shadow.                         | 3-Moderate (apparent functional problem) | GTK is not compatible with GLES. Will try to fix this in next release.   |
| MMFMWK-9139 | The video frame is frozen when seeked by the seek bar.                      | 3-Moderate (apparent functional problem) | The pulseaudio version was upgrade to 15.99.1, which caused this issue. To solve it, downgrade the pulseaudio version to 15.0. |
| MMFMWK-9143 | The cheese preview frame is frozen at the first time for i.MX 8M Quad.      | 3-Moderate (apparent functional problem) | It will be fixed in next release.  |
| MMFMWK-9144 | The cheese preview frame is frozen when switching resolution several times. | 3-Moderate (apparent functional problem) | It will be fixed in next release.  |

### 4 Release License

This release applies the following license:

LA\_OPT\_NXP\_SOFTWARE\_License - No distribution permitted, license in Section 2.2 applies.

## Revision History

This table provides the revision history.

**Table 5. Revision History**

| Revision number              | Date    | Substantive changes               |
|------------------------------|---------|-----------------------------------|
| L5.10.9_1.0.0-desktop-alpha  | 05/2021 | Initial release                   |
| L5.10.35_2.0.0-desktop-beta1 | 07/2021 | Desktop Beta1 release             |
| L5.10.52_2.1.0-desktop-beta2 | 11/2021 | Desktop Beta2 release             |
| L5.10.72_2.2.0-desktop       | 01/2022 | Desktop GA release                |
| L5.15.5_1.0.0-desktop        | 05/2022 | Desktop GA release                |
| L5.15.32_2.0.0-desktop       | 08/2022 | Desktop GA release                |
| L5.15.52_2.1.0-LDP           | 11/2022 | Linux distribution POC GA release |

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