

LDPRN

Linux Distribution POC Release Notes

Rev. LF6.1.1_1.0.0-LDP — 10 May 2023

Release notes

Document Information

Information	Content
Keywords	i.MX, Linux, Linux distribution, LF6.1.1_1.0.0-LDP
Abstract	Linux distribution release provides Proof of Concept (POC) build for demo purposes. Product redistribution is not allowed due to the increased license restrictions of this release.



1 Overview

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

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
imx8qxp0mek	i.MX 8QuadXPlus MEK with silicon revision C0 chip
imx8ulpevk	i.MX 8ULP EVK

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-6.4.11.pl.2d-aarch64.bin	i.MX Graphics libraries for all i.MX 8
imx-gpu-g2d-6.4.11.pl.2d-aarch64.bin	i.MX Graphics G2D library for all i.MX 8
libgpuperfctnt-6.4.11.pl.2d-aarch64-wayland.bin	i.MX Graphics profiler libraries for all i.MX 8
isp-imx-4.2.2.21.0.d.bin	i.MX Image Signal Processing library for i.MX 8M Plus
imx-dpu-g2d-2.1.8d.bin	i.MX Graphics G2D library with DPU blitter for i.MX 8 QuadMax and 8QuadXPlus
imx-vpu-hantro-vc-1.9.1d.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 sought by the seek bar.	3-Moderate (apparent functional problem)	The pulse audio version was upgrade to 15.99.1, which caused this issue. To solve it, downgrade the pulse audio version to 15.0.
MMFMWK-9189	Cheese preview flashes when keeping Totem playing videos simultaneously.	3-Moderate (apparent functional problem)	This is a known issue for clutter-video-sink. The cheese switches to use gtkglsink. There is no plan to fix the clutter-video-sink issue currently.

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
L5.15.71_2.2.0-LDP	02/2023	Linux distribution POC GA release
LF6.1.1_1.0.0-LDP	05/2023	Linux distribution POC GA release

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