IMXDRN

i.MX Desktop Release Notes

Rev. L5.10.72_2.2.0-desktop — 28 January 2022

Release Notes

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1 Overview

This desktop 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. 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

2 Release Content

This release consists of the following:

- i.MX desktop build meta layer
- Prebuilt desktop packages (Table 2)
- Documentation

Table 2. Prebuilt desktop packages

Package	Description
imx-gpu-viv-6.4.3.p2.4d-aarch64.bin	i.MX Graphics libraries for all i.MX 8
imx-gpu-g2d-6.4.3.p2.4d-aarch64.bin	i.MX Graphics G2D library for all i.MX 8
libgpuperfcnt-6.4.3.p2.4d-aarch64-wayland.bin	i.MX Graphics profiler libraries for all i.MX 8
isp-imx-4.2.2.15.0d.bin	i.MX Image Signal Processing library for i.MX 8M Plus
imx-dpu-g2d-1.9.5d.bin	i.MX Graphics G2D library with DPU blitter for i.MX 8QuadMax

3 PoC Features

All the information about the Linux Standard BSP features can be found in the *i.MX Linux User Guide* (IMXLUG).

4 Known Issues and Limitations

The following table lists the known issues and limitations.

Table 3. Known Issues and Limitations

Issue key	Description	Custom field (Severity)	Workaround
MMFMWK-8955	Video display hangs when adjusting volume in full-screen mode.	3 - Moderate (apparent functional problem)	It will be fixed in next release.
MMFMWK-9006	Video plays unsmoothly in full-screen mode.	3 - Moderate (apparent functional problem)	Software architecture limitation of clutter-gst-3.0.
MGS-6465	GStreamer: Waylandsink does not work.	3 - Moderate (apparent functional problem)	Waylandsink is not compitable in the i.MX desktop PoC. Use clutterautovideosink instead.
MGS-6532	Fails to configure the network through the GUI interface.	3 - Moderate (apparent functional problem)	Configure the network through the terminal.
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-9040	The video progress bar does not show properly sometimes.	3-Moderate (apparent functional problem)	It needs community fix in totem. It is supposed to be a GTK UI issue.
MMFMWK-9038	imx8mp boot will met kernel dump about sdma sometimes	3-Moderate (apparent functional problem)	It will be fixed in next release.

5 Release License

This release applies the following license:

LA_OPT_NXP_SOFTWARE_License - No distribution permitted, license in Section 2.2 applies.

6 Revision History

This table provides the revision history.

Table 4. 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

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