i.MX Android™ Extended Wi-Fi Display Sink Release Notes

1   Release Description

The features described in the release notes are all supported by Freescale implemented Wi-Fi Display Sink Stack. They are only available after installing the android_L5.0.0_1.0.0-ga_wfdsink_source.tar.gz software package.

2   Supported Hardware SoC Boards

The following hardware SoC boards are supported:
- i.MX 6Quad SABRE-SD board and platform
- i.MX 6DualLite SABRE-SD platform
- i.MX 6Quad SABRE-AI platform
- i.MX 6DualLite SABRE-AI platform

3   Tested Wi-Fi Modules

The following Wi-Fi modules are tested:
- Realtek 8821AS
- Samsung S3/S4/S5
- Nexus 4/5
- Meizu MX3
- Huawei Honor 3C
- Sony Z1

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- Xiaomi MI2/3
- Vivo X5 series

4 What's New in This Release

The following issues are fixed or feature enhanced in this release:

- Enhanced compatibility with Android-based source devices.
- HDCP support.

5 Supported Features

The following features are supported in this release:

- WFD specification 1.1
- Primary Sink
- Latency (~200 ms)
- Drop frames mechanism
- UIBC (touch, mouse, and key event)
- MPEG2-TS stream
- Supports LPCM and AAC audio (default is LPCM)
- Supports AVC H.264 CBP/CHP 3.1/4.1
- CEA (Consumer Electronic Association) formats

  - 640 x 480p up to 1920 x 1080p
- Frame rates from 24 frames per second (fps) to 60 fps
- VESA formats

  - 800 x 600p up to 1680 x 1050p
- Frame rates at 30 and 60 fps
- Pause and resume
- HDCP 2.1

NOTE

To use the HDCP feature, apply an extended package to this package. For more information about any of the following packages, contact L2manager-android@freescale.com.

6 Unsupported Features

The following features are not supported in this release:

- Coupled Sink operation
- TDLS
- gPTP
- Remote I2C read/write

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