



Display bridges hardware components



# Display bridges hardware components

Stable: 10.01.2020 - 10:45 / Revision: 10.01.2020 - 09:24

## Contents

|                               |          |
|-------------------------------|----------|
| 1 Article purpose .....       | 2        |
| 2 Software frameworks .....   | 2        |
| 3 Silab sil9022 .....         | 3        |
| <b>3.1 Linux driver .....</b> | <b>3</b> |

## 1 Article purpose

The purpose of this article is to:

- List the display bridge hardware components that might be integrated in the different boards.
- Link these components to the corresponding software framework(s).
- Point to the appropriate component datasheets.
- Explain, when necessary, how to configure these components.

## 2 Software frameworks

| Do   | Peri   | Software frameworks          |                      |  | Comment                 |
|--|--|------------------------------|----------------------|--|-------------------------|
| mai<br>Cortex<br>-A7<br>secure<br>(O<br>P-<br>TE<br>E) | Cor<br>tex<br>-A7<br>no<br>n-<br>sec<br>ure<br>(Li<br>nux<br>) | Cortex-M4<br><br>(STM32Cube) |                      |  |                         |
| Vi<br>su<br>al   | Sil<br>ab<br>sil<br>90<br>22                                   |                              | DRM/KMS<br>framework |  | HDMI<br>transmitt<br>er |



---

## 3 Silab sil9022

---

The Sil9022A HDMI transmitter supports the HDMI<sup>®</sup> Specification on a wide range of mobile products.

For details and the datasheet please contact the Sil9022A HDMI transmitter provider.

### 3.1 Linux driver

Bindings: [Documentation/devicetree/bindings/display/bridge/sii902x.txt](#)

Sources: [drivers/gpu/drm/bridge/sii902x.c](#)

Open Portable Trusted Execution Environment

High-Definition Multimedia Interface (HDMI standard)