

Developed and manufactured in Germany

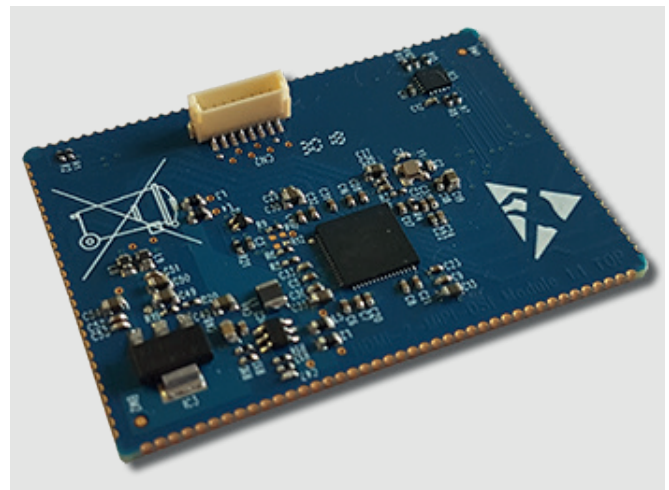
Interface Bridging

The HDMI-to-MIPI-DSI BM (BridgeModule) is based on a high performance HDMI1.4 to MIPI@DSI bridge chip. The bridge deserializes input HDMI signal, decodes packets and converts the formatted video data stream to MIPI-DSI transmitter output.



Benefits

- It features configurable single-port MIPI@DSI with 1~4 data
- Input compliant to the HDMI 1.4 specification
- Support HDCP 1.4
- Adaptive receiver equalization for PCB, cable and connector losses
- Small outline dimensions, only 50.0mm x 35.0mm
- Digital audio output



Features

- Supports TMDS data rates up to 3.4 Gbps per channel
- MIPI-DSI lanes with 80Mb/s~1.5Gb/s per Data Lane
- DSI transmitter supports Burst Mode and Command Mode
- Support SPDIF and 8-channel IIS audio output
- Power-on sequencing for up to 3 different voltages (display logic supply)
- Provides backlight control including temperature dependent brightness/LED current control