

10.1" DSI Display Kit

High definition display adapter for the Intel 10M50 Max 10 Evaluation kit



The 10.1" Display kit allows developers to easily interface the Intel Max 10 FPGA with a high definition, WUXGA color display over MIPI DSI.

The display is driven directly from the quad-lane MIPI DSI interface. The onboard electronics includes a backlight current driver to ensure a bright and vivid image. The brightness can be controlled by PWM from the FPGA kit.

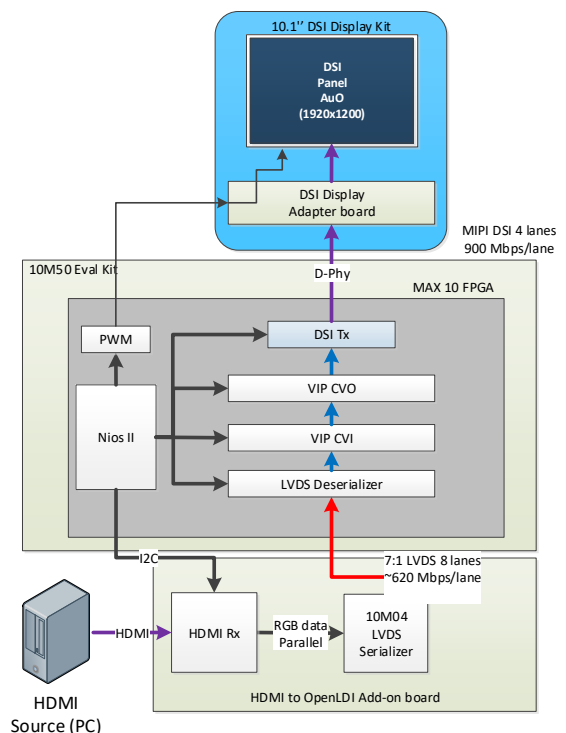
The display adapter is designed to plug directly into the D-Phy output port of Intel 10M50 evaluation kit with a 36-pin FPC cable (included in the kit). For the resolution of 1920x1200 at 60 frames per second, the DSI interface operates at 900 Mbps.

The 10.1" DSI Display kit is an easy and effective way to attach a high resolution display to the 10M50 evaluation kit. Combined with the HDMI to OpenLDI board for video input and the PMOD peripherals, the 10M50 evaluation kit can be used as a versatile graphical overlay visualization tool, or an automotive HMI development platform.

Features

- AuO 10.1" WUXGA Display
- Native resolution 1920x1200@60Hz
- 4-lane MIPI D-PHY/ DSI interface in video mode
- Power splitter cable and FPC for 10M50 Evaluation kit included
- Reference design and evaluation of IQ-DSI-Tx and IQ-DPHY-Tx IP cores available for 10M50 Eval kit

Application



Ordering information

The 10.1" Display Kit can be ordered at Mikroprojekt via the order code

H-10MA-DSI10

For more information, please visit www.mikroprojekt.eu