

EIC-i.MX93-210 Multimedia Kit

eInfochips offers Multimedia Kit which interfaces with eInfochips EIC-i.MX93-210 development kit for quick prototyping of multimedia solutions. This kit supports connectivity of Audio IN/OUT, 5.5" 1080 x1920p (FHD) resolution display with touch screen support, 1.0MP MIPI Camera (RPI-CAM-MIPI) developed by NXP & M.2 Key E type connector. It interfaces with EIC-i.MX93-210 development kit through High-Speed Connectors (HS1 & HS2) and Low-Speed Interface connector.

Multimedia Kit Features

- Audio Interfaces**
 - 2x on board Analog Mic Input
 - 2x 1W Speaker Out
 - 1x 3.5mm Audio Jack
 - 2x Digital PDM Mic input
- Camera Interface**
 - Provides connectivity of 1.0MP CSI camera module "RPI-CAM-MIPI" designed by NXP
 - 22-pin/0.5mm FPC/FFC connector interface to connect with "RPI-CAM-MIPI"
- 2 Key-E Type connector support**
 - Provide connectivity of M.2 Key E Type externa WLAN module
 - Supports multiple interfaces SDIO, PCM, UART, USB, I2C
- Display Interface**
 - Interface Type: 4 Lane MIPI DSI
 - LCD Type: IPS TFT (16.7M)/ Transmissive
 - Backlight Type: White LED (14*LED)
 - Display Resolution: 1080 x 1920 (Maximum)
 - Framerate supported: 60
 - Bit Per Pixel (BPP): 24
 - Pixel stream type: Packed pixel stream, RGB888 (24 bits per pixels)
 - LCD-Active area – Outline dimensions (W x H): 68.04mm(W) x 120.96mm(H)
 - Pixel pitch – 0.063mm x 0.063mm
 - System Interface
 - Display Data: 4 Lane MIPI DSI
 - Touch: I2C
 - Control: GPIOs
 - Mezzanine to Display Board Cable: 40 pins FFC Cable
 - Supply Voltages
 - Display: 2.8V for VCC, 1.8V for I/O
 - Touch: 3.3V for VCC, 1.8V IO
 - Operating Temperature: -20°C ~50°C

Multimedia Kit Dimensions

- 85mm x 54mm

NXP

- > MPC830X-MPC8306 SOM
- > MPC830X-MPC8308 SOM
- > MPC830X-MPC8309 SOM
- > i.MX6
- > i.MX 8X based AI-ML Board
- > i.MX 8M based Thor96 Board
- > NXPS32 Platform Experience
- > i.MX93X Reference Development Platform

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