IMX-6 video electronic control board with LCD up to 1920x1200 pixel

- TFT colour graphic LCD with resolution up to 1920x1200 pixel
- Resistive or capacitive touchscreen

**Applications**

This user interface brings the streamline, graphic potentials of the latest smartphones and tablets into factories. The graphic card can control any type of display, with a resolution up to 1920x1200 pixels, and manage complex graphic effects.

It may be combined with a resistive or capacitive touchscreen. **Multi-touch mode with various gestures**, including pinch to zoom, can be used.

Designed for embedded industrial applications, it controls the user interface and is combined with a custom process electronic board. It can handle audio, video and Full HD resolution images.

**Microprocessor**
- Dual core Cortex-A9 Freescale IMx6DL
- 800 MHz/1 GHz, 512 kB L2 cache microprocessor
- 4 GB eMMC flash memory (expandable to 16)
- 2 GB DDR3 64 bit 400 MHz of RAM

**Display**
- 7” TFT colour graphic LCD, 800x480 pixels, 18 bits in RGB
- 10” LVDS, 1024x600 pixels, 24 colour bits

**Touchscreen**
- 4wire resistive touchscreen
- or multi-touch capacitive touchscreen

**Operating system**
- Linux Embedded operating system
- or Windows CE operating system

**Connectivity**
- 10-100-1000 Mbps Ethernet port
- USB 2.0 host port
- USB 2.0 OTG port
- RS232 to connect to GSM Modem (switchable to RS485)
- 3 x RS485
- RS485 for connecting to supervisor PC and machine network
- RS485 for data exchange with input/output control panel and process control card
- Micro SD 3.0
- FlexCan
- Mini PCI Express 2.0 for Wi-Fi or Bluetooth module

**Media**
- 2D-3D graphic booster
- Video Codec 1080p3D enc/dec
- Audio Codec

**Audio**
- Audio output connector with 15 watt 8 ohm amplifier

**Power**
- 12 V ac-dc 1.5 A
- Clock with backup battery for error/fault log and storing the timers of the various devices

**Temperature**
- Operating temperature: 0 to 70°C

**Dimensions**
- Card: Dimensions 131 x 106 mm