



STM-100 E Paper Media Player

The STM-100 is a compact, embedded Linux based media player board designed specifically to work with E Ink epaper based display systems. Ideal for digital signs.

Key Features:

- » Connects to up to four panels via USB
- » 0.03mW standby with clock running
- » Ethernet connectivity
- » SPI bus
- » Sensor support, and onboard temperature sensor
- » Part Number: 4160254xx-3

TCON & Controller Panel Connectivity

- EPM-050 for E Ink 13.3" monochrome panels
- EPM-050C for E Ink 13.3" color panels (Kaleido)
- EPL-100 for E Ink 25.3" & 28" panels
- EPM-100v2 for E Ink 31.2" & 42" monochrome panels
- SP6 boards for E Ink Spectra 6 panels

I/O

| | |
|---------------|--|
| Ethernet | 10/100/1000M |
| To Panel TCON | 4 x USB type A, for connection to up to four Digital View epaper controller boards |
| Power | 12V DC |
| Other | Firmware upgrade port |

Reliability

| | |
|------------------|---------|
| Calculated MTBF: | TBA |
| Warranty: | 3 years |

Features

| | |
|--------------------------|--|
| Processor: | ST Micro ARM Cortex |
| Memory onboard: | 2Gbytes internal flash |
| Function: | Media conversion and formatting, Log file recording & reporting, Power management. |
| Image Scaling: | Firmware dependent |
| Image Control: | Orientation correction |
| Sensors: | Light sensor support, onboard temperature sensor |
| Communication: | RS-232, I2C |
| Status Indicator: | Single color LED for power status |
| Input Power: | +12VDC ±5%, 4W (controller only) |
| Board Size: | 111mm x 83mm |

Firmware upgrade: The STM-100 firmware is upgradable. Contact Digital View or distribution partner for details.

- CMS:** The STM-100 is compatible with:
- Conversar CMS, our cloud based signage system
 - EP App, a free app suitable for 1 to 3 displays

STM-100 TCON & Controller

Mechanical Drawing

Connector Definitions

CN1-4 USB for connection to panel TCON
CN8
PP5 12VDC input power

Accessories



Software & CMS is available to manage and update content.

Supports transfer via USB, network or the cloud.

Ordering Options

STM-100

P/N: 4160254xx-3

Drawings

- » 2D (DWG, PDF)
- » 3D (SLDPRT, STEP)

Download at:

<https://www.digitalview.com/controllers/stm-100-media-board.html>

Available Resources

- » Instruction manual
 - » Revision control documentation
 - » Firmware upgrade manual**
 - » Mechanical drawing
 - » Custom engineering
- ** Available on request

Controller Solution Generator

<http://www.digitalview.com/csg>

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The QR code above links to the product page on the website