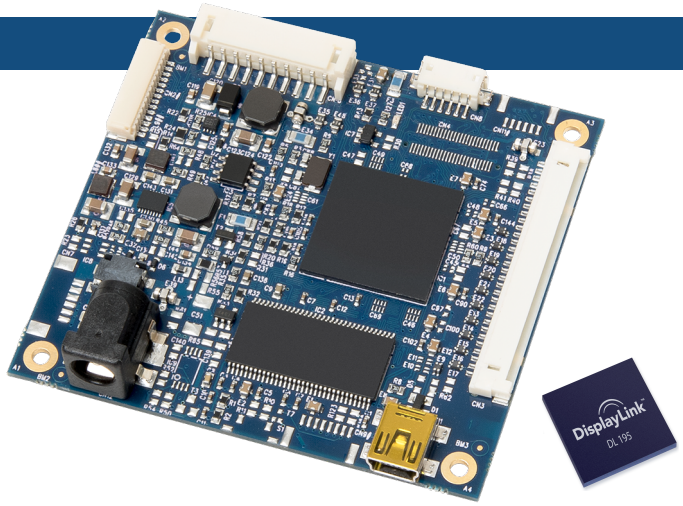
d.screen USB mini

Display Solution
Competence in Digital Visualisation

Low-cost LCD TFT USB Controller Board

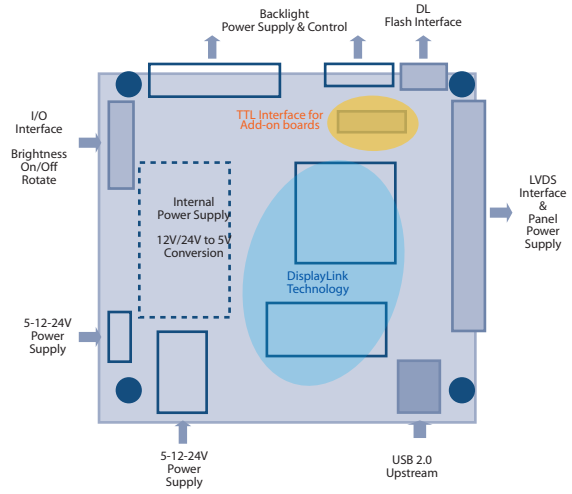


d.screen USB mini is a cost-effective innovative board solution for high performance USB 2.0 connected displays based on DisplayLink's DL1x5 device family. It is designed to act as a direct interface between USB 2.0 and small/midsized LCD TFT displays from VGA up to Full-HD/WUXGA/QWXGA. A highly efficient power-management makes the d.screen USB mini the perfect solution for portable multifunctional monitors.

d.screen USB mini is a member of the device product family. As any device of this series this board was designed to meet the extended requirements of embedded applications.

Features

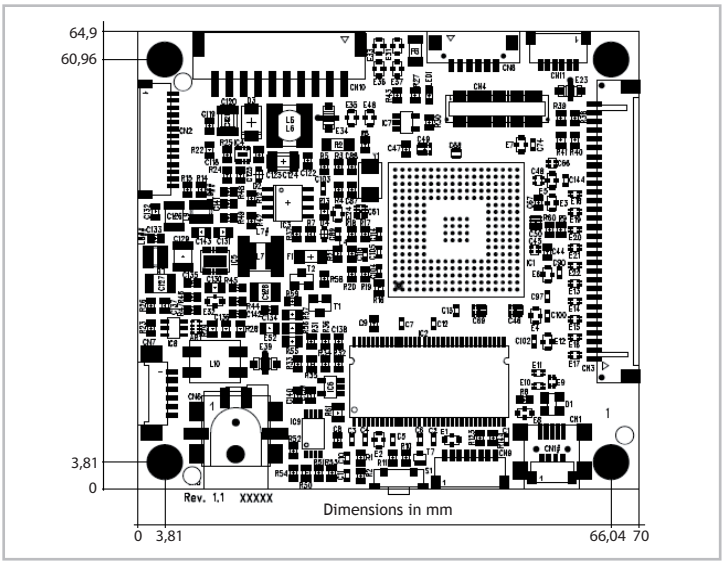
- USB-Interface Only
- DisplayLink UGA Technology - DL1x5
- Display brightness control
- Display on/off control
- Picture rotation support via external sensor (optional)
- 12/24V or 5V-only power supply support
- Enables Bus-powered USB connected LCD TFT displays



DisplayLink™ Technology with DL1x5

✓ Connect a PC with USB 2.0 port to any LCD TFT panel
✓ Lossless compression protocol
✓ Supports Windows
✓ Supports Apple Mac OS
✓ Supports screen rotations and mirror mode or extended desktop
✓ Supports resolution up to Full-HD / WUXGA / QWXGA
✓ Linux support

	DL-195	DL-165	DL-125
Maximum Resolution	1920 x 1200 2048 x 1152	1600 x 1200 1920 x 1080	1280 x 1024 1440 x 900
Integrated USB 2.0	✓	✓	✓
Dual Core Decode Engines	✓	✓	
DisplayLink DL 2+ Compression	✓	✓	✓



Specification

Supported Input Resolutions (LVDS / TTL)

- DisplayLink DL125: 640x480 to 1280x1024 / 1440x900
- DisplayLink DL165: 640x480 to 1600x1200 / 1920x1080
- DisplayLink DL195: 640x480 to 1920x1200 / 2048x1152
- Logic Supply voltage: 3.3V / 1.0A or 5.0V / 1.3A (optional1.8A)

Backlight Control / Support

- Supports CCFL and LED Drivers
- Supports analog and PWM brightness control
- Supports 5V/12V LED driver

Input Voltage

- 12/24V or 5V Only (Backlight Voltage = Input Voltage)

Environmental

- Operating Temperature: 0°C to 70°C
- Relative Humidity: 5%-85%, non condensing

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