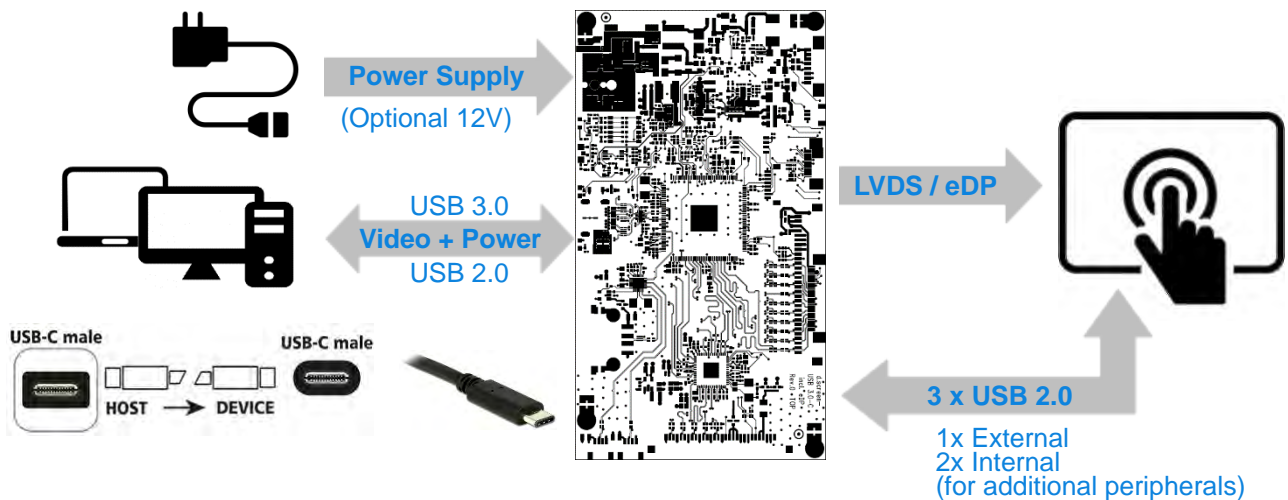




Developed and manufactured in Germany

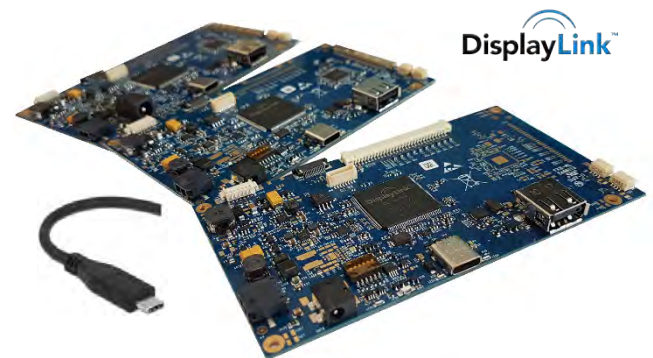
d.screenUSB3C
USB Monitor Controller Board
USB 3.1 Type-C

The d.screen USB 3C is an innovative USB 3.1 monitor controller solution based on the DL-41xx family. The d.screen-USB3C enables a new category of monitors that connect power and data over USB 3.1 Type-C and it provides common LVDS- as well as eDP-interface.



Benefits

- **BUS-POWERED**
Displays with a total power-consumption of up to 10 Watts are powered over USB Type-C cable – No additional power adapter required!
- Optional external 12V supply to support larger displays
- On-board USB 2.0 4-port hub controller enables the connection of additional USB peripherals like touch controller



Features

- SuperSpeed (5Gbit/s) connection and backwards compatibility to USB2.0
- Supports LCD-TFT displays up to 1920x1080
- LVDS and eDP output
- Supports bus-powered and/or self-powered applications

Microsoft Windows



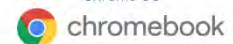
Android



macOS



Chrome OS



Ubuntu



BOARD FEATURES

- Supports LCD-TFT displays from VGA up to 1920x1080
Single/dual channel LVDS, 18-/24-bit color, VESA & Open-LDI data mapping
eDP with 1, 2 and 4 lanes
- Type-C PD-Support with 5.0V @ up to 3.0 A
- Display Backlight support
Provides Enable and Brightness control
5V/ 12V supply
- On-Board USB 2.0 Hub enables 1 external and 2x internal USB ports for additional peripherals, e.g. touch-controller
- Single USB Type-C cable connection supports LCD-TFT displays with up to 10 Watts total power consumption



DL41xx Core Features

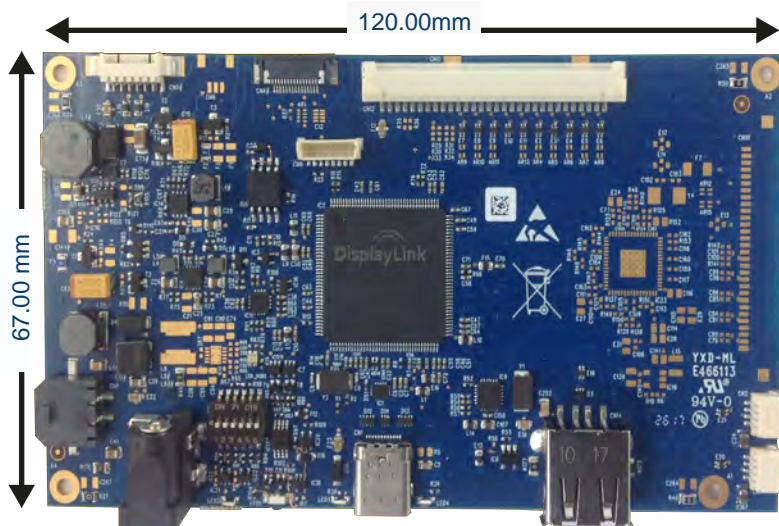


- Supports USB 3.0 (5Gbit/s), USB 2.0, USB 1.1
DisplayLink DL3 video compression
 - Ultra-Low latency
 - Adapts automatically to bandwidth constraints
 - Compression tuned for video content
- Optional HDCP 2.0 support
- Integrated Monitor upscaling function
- Supported Platforms
 - Windows 7, 8, 8.1, 10
 - Apple MAC OSX 10.8 onwards
 - Linux Ubuntu 14.10 onwards
 - Android V5.0 Lollipop onwards

Applications

- Customer information monitors
- HID displays for visualization and interaction
- Signature tablets
- Replacement for standard HDMI/RGB-Monitors

Outline Dimensions



Versions available

- Bus-Powered 5V
USB-Type-C connection ONLY
- Self-Powered +12V external supply
for larger display sizes

Environmental

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



For **customized designs** please ask your local sales representative