**USB / Ethernet Controller Board with optional 4-/5-Wire Touch Controller**

**d.screen-Hybrid** is a cost-effective innovative board solution for high performance USB 2.0 and/or Ethernet connected displays based on DisplayLink’s DL1x5 device family and EliteSilicon’s USB over IP technology.

It is designed to act as a direct interface between either USB 2.0 or Ethernet network and LCD TFT displays from VGA up to Full-HD/WUXGA/QWXGA. A highly efficient powermanagement makes the d.screen-USB-Hybrid the perfect solution for portable multifunctional monitors.

**Features**

- USB-Interface
- Ethernet-Interface 10/100 Mbit & Gigabit
- Optional DVI / RGB-analog Interface
- 12/24V or 5V-only power supply supports also large displays from a single 24V power supply
- On-board USB 2.0 Highspeed Hub
- On-board 4-/5-Wire touch-controller

**DisplayLink Technology - DL125/165/195**

- Connect a PC with USB 2.0 port directly to any LCD TFT panel
- Lossless compression protocol
- Supports Windows
- Supports Apple Mac OS
- Supports screen rotations and Mirror mode or extended desktop
- Supports resolutions up to Full-HD/WUXGA/QWXGA
- Linux support
- Up to 6 Displays are supported

**Supported Panel Resolutions (LVDS / TTL)**

<table>
<thead>
<tr>
<th></th>
<th>DL-195</th>
<th>DL-165</th>
<th>DL-125</th>
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</thead>
<tbody>
<tr>
<td>Maximum Resolution</td>
<td>1920 x 1080</td>
<td>1440 x 900</td>
<td>1280 x 1024</td>
</tr>
<tr>
<td>Integrated USB 2.0</td>
<td>✔</td>
<td>✔</td>
<td>✔</td>
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<tr>
<td>Dual Core Decode Engines</td>
<td>✔</td>
<td>✔</td>
<td>✔</td>
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<tr>
<td>DisplayLink DL 2+ Compression</td>
<td>✔</td>
<td>✔</td>
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**Touch Controller - optional**

- Resistive Technology 4/5-Wire (auto-detection)

**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