About Industrial Display Solutions

Advantech Industrial Display Solutions is designed and built to provide a complete range of display products, solutions, and services. To better serve embedded application dealers, Advantech offers an array of display products with different levels of integration including industrial display kits, open frame, frame, panel mount, and industrial touch monitors.

Moreover, Advantech has built its own professional and professional LCD laboratory to provide customized display solutions, such as value-added services such as backlight enhancement, and optical bonding. We also extend our services to panel repair, LED backlight manufacturing, and display system integration.

As your trusted partner, Advantech offers a full display solution from industrial displays and display-monitor integration, to enhanced services in order to meet your application needs and speed up the time to market.

Product Portfolio

A Full Range of Product Lines For Various Applications

Industrial Display KI-1K/1000-2000 Series

Advantech Industrial Display Kits come with various sizes of industrial-grade LCDs which are proven to work with all Advantech embedded boards and systems. The series offers the most cost-effective solutions and supports both indoor and outdoor applications with 1200 cd/m² high brightness solutions.

Open Frame Monitor IDS-3100 Series

Advantech Open Frame Monitors provide businesses an ideal display perfect for any residential application. At home, enjoy a new shape and feel with mechanical design. The simplified mechanical design achieves a 35% space-savings and allows a simple front frame integration to fit all different application segments.

Panel Mount Monitor IDS-5200 Series

Advantech Panel Mount Monitor comes with an anti-glare touch panel with a robust architecture. The series is built for harsh, rugged display applications involving with optional IP65 front frame and supports vandal resistant mounting such as panel and wall mount.

Industrial Touch Monitor ITM-5100 Series

Advantech Industrial Touch Monitor provides rugged, stand alone monitors with IP65 front panel protection. The simple, yet rugged panel design is engineered for easy cleaning explicitly in harsh environments. In addition, the series features standard and integrated touch to touch/point connecting interfaces with low PLS giving more flexibility and satisfying your applications.

Flexible Options For All Model

- Versatile LCD Sizes
- Wide Viewing Angle
- Wide Operating Temperature
- Touchscreen Selections
- Sunlight Readable
- High Brightness

Labortaory Capabilities and Services

To better serve our customers, Advantech builds our Glass 1,000 Class 10,000 Clean Room laboratory to offer more value-added and customized display solutions. With monthly capacity of 30,000 pieces, we are capable of providing high-end enhancement solutions with self-defined LED backlighting by producing in plants in Taiwan and Europe. Moreover, our LCD laboratory is committed to the highest quality and reliability of our products and services. Our laboratory, as the first in our industry, can offer on-demand customization services and tailor-made industrial display solutions within 10 to 140 days, all at customer’s application needs.

High Brightness Solution

Advantech focuses on high brightness technology and is able to enhance the LCD brightness from original 450 nits to 1,500~2,000 nits, Meanwhile increasing its color saturation and contrast. Moreover, our high brightness technology reduces the power consumption, resulting in displays that run cooler with minimal stress but maximum reliability.

Sunlight Readable Solution

Advantech offers sunlight readable solutions for applications under different lighting conditions from eminence environment to extreme ambient environment. What’s important of all, our solutions can cope with the backlight design fitting to customer’s product power or heat.

Optical Bonding Services

Optical Bonding is the key to enhanced adhesion between active photonic materials and the passive flat panel surface. This process can improve reliability and durability. We can create any display design utilizing architecture, cover plates, touchscreens or any combination of the three.

Panel Repair Service

Equipped with professional LCD knowledge and know-how, Advantech also provides panel repair services, involving backlight replacement, Driver IC repair, and LED backlight service to our customers. As a result, our services help extend the lifetime and durability of LCD display and thus save money for our customers.

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Build Your Display as easy as 1-2-3!

- Compatible Display Solutions
- LCD Optical Capability
- Display Integration Capability
- 3-year Longevity Support
- Industrial Touch Monitor ITM-5100 Series
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<thead>
<tr>
<th>Size</th>
<th>Model</th>
<th>Name</th>
<th>Resolution</th>
<th>Viewing Angle (H,V)</th>
<th>Brightness (cd/m²)</th>
<th>Contrast Ratio</th>
<th>Signal Interface</th>
<th>Backlight</th>
<th>MTBF</th>
<th>Outline Dimension (mm)</th>
<th>Operating Temperature</th>
</tr>
</thead>
<tbody>
<tr>
<td>5.7&quot;</td>
<td>IDK-1105 Series</td>
<td>640 x 480</td>
<td>140°/100°</td>
<td>500</td>
<td>250:1</td>
<td>LVDS</td>
<td>30,000 hrs</td>
<td>127 x 98.43 x 7.5</td>
<td>-20~+70° C</td>
<td></td>
<td></td>
</tr>
<tr>
<td>8.4&quot;</td>
<td>IDK-1108 Series</td>
<td>800 x 600</td>
<td>150°/130°</td>
<td>350</td>
<td>600:1</td>
<td>LVDS</td>
<td>50,000 hrs</td>
<td>203 x 145.5 x 8</td>
<td>-10~+60° C</td>
<td></td>
<td></td>
</tr>
<tr>
<td>10.4&quot;</td>
<td>IDK-1110 Series</td>
<td>800 x 600</td>
<td>130°/110°</td>
<td>400</td>
<td>400:1</td>
<td>LVDS</td>
<td>20,000 hrs</td>
<td>236 x 176.9 x 5.6</td>
<td>-10~+60° C</td>
<td></td>
<td></td>
</tr>
<tr>
<td>12&quot;</td>
<td>IDK-1112 Series</td>
<td>800 x 600</td>
<td>160°/160°</td>
<td>500</td>
<td>700:1</td>
<td>LVDS</td>
<td>50,000 hrs</td>
<td>279 x 209 x 9</td>
<td>-10~+70° C</td>
<td></td>
<td></td>
</tr>
<tr>
<td>15&quot;</td>
<td>IDK-1115 Series</td>
<td>1024 x 768</td>
<td>160°/140°</td>
<td>350</td>
<td>700:1</td>
<td>LVDS</td>
<td>50,000 hrs</td>
<td>326.5 x 253.5 x 12</td>
<td>0~+65° C</td>
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<td></td>
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<tr>
<td>17&quot;</td>
<td>IDK-1117 Series</td>
<td>1280 x 1024</td>
<td>170°/160°</td>
<td>350</td>
<td>1000:1</td>
<td>LVDS</td>
<td>50,000 hrs</td>
<td>358.5 x 296.5 x 15.8</td>
<td>0~+50° C</td>
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<tr>
<td>19&quot;</td>
<td>IDK-1119 Series</td>
<td>1280 x 1024</td>
<td>178°/178°</td>
<td>300</td>
<td>1300:1</td>
<td>LVDS</td>
<td>50,000 hrs</td>
<td>396 x 324 x 17.5</td>
<td>0~+50° C</td>
<td></td>
<td></td>
</tr>
<tr>
<td>21.5&quot; W</td>
<td>IDK-1221 Series</td>
<td>1920 x 1080</td>
<td>170°/160°</td>
<td>380</td>
<td>1000:1</td>
<td>LVDS</td>
<td>50,000 hrs</td>
<td>495.6 x 292.6 x 18.4</td>
<td>0~+50° C</td>
<td></td>
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<tr>
<td>10.4&quot;</td>
<td>IDS-3110 Series</td>
<td>800 x 600</td>
<td>160°/140°</td>
<td>400</td>
<td>700:1</td>
<td>VGA/DVI</td>
<td>50,000 hrs</td>
<td>TBD</td>
<td>-20~+60° C</td>
<td></td>
<td></td>
</tr>
<tr>
<td>15&quot;</td>
<td>IDS-3115 Series</td>
<td>1024 x 768</td>
<td>160°/140°</td>
<td>400</td>
<td>700:1</td>
<td>VGA/DVI</td>
<td>50,000 hrs</td>
<td>362 x 288 x 32.8</td>
<td>-20~+60° C</td>
<td></td>
<td></td>
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<tr>
<td>17&quot;</td>
<td>IDS-3117 Series</td>
<td>1280 x 1024</td>
<td>170°/160°</td>
<td>350</td>
<td>1000:1</td>
<td>VGA/DVI</td>
<td>50,000 hrs</td>
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**Product Selection Guide**

**Industrial Display Kit**

**Standard Models**

**High-Brightness Models**

**Open Frame Monitor**

**Panel Mount Monitor**

**Industrial Touch Monitor**

For more details, please visit our website: [http://www.advantech.com/industrialdisplay](http://www.advantech.com/industrialdisplay)