The Elo TouchPro 8300 series touch controllers paired with Elo’s Pro-M film based large format PCAP sensor offers a complete touch solution designed specifically for very large diagonal commercial and industrial touch applications. This family of controllers supports ITO alternative film sensors and can be used in challenging large format industrial environments with gloves and thick cover glass. Elo offers a complete PCAP solution including touch screen, controller, drivers for various operating systems and software utilities which result in shorter development and integration time. The available integration guide provides recommendations to simplify integration and avoid typical issues such as EMI from sources such as the power supply or LCD screen. Elo also offers a wide range of customization options to meet your requirements including cover glass specifications and finishes along with colors and logos. Contact an Elo sales representative for more details.
## Elo TouchPro PCAP 8300 Series Controllers*

<table>
<thead>
<tr>
<th>Touchscreen Support</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Size Range</td>
<td>≥42&quot;</td>
</tr>
<tr>
<td>Construction</td>
<td>Glass/Film</td>
</tr>
<tr>
<td>Cover glass thickness</td>
<td>to 8mm</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Touch Performance</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Input Methods</td>
<td>Finger, gloved hand, or passive stylus</td>
</tr>
<tr>
<td>Number of Touches</td>
<td>40</td>
</tr>
<tr>
<td>Response Time</td>
<td>25ms (15ms)</td>
</tr>
<tr>
<td>Report Rate</td>
<td>100Hz</td>
</tr>
<tr>
<td>Positional Accuracy</td>
<td>±2.0mm</td>
</tr>
<tr>
<td>Resolution</td>
<td>40% x 40%</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Electrical</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Communication Interface(s)</td>
<td>USB or I2C</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Environmental</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Operating Temperature</td>
<td>-20°C to +70°C</td>
</tr>
<tr>
<td>Humidity</td>
<td>90% RH (non-condensing)</td>
</tr>
<tr>
<td>Safety Approvals</td>
<td>UL/CE</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Software</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Operating Systems</td>
<td>Windows, Linux, Android, Mac OS</td>
</tr>
<tr>
<td>Driver Features</td>
<td>Multiple monitors, various touch modes, touch zones</td>
</tr>
</tbody>
</table>

*Actual technical specifications depend on multiple design variables including touch IC, tuning parameters and screen size. Values below are for reference only.

To find out more about our extensive range of Elo touch solutions, go to [elotouch.com](http://elotouch.com), or call the office nearest you.

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