Connect Tech’s COM Express® Type 2 Carrier is a full-featured, compact carrier board that is compatible with COM Express® Type 2 Basic and Compact modules.

COM Express® Carrier can be used as a stand-alone carrier board, or integrated directly into an existing application. It can also be used as a small evaluation platform for battery supported applications that use COM Express® Compact modules. System expansion capability and customization is available through application-specific carrier boards.

Ideal for a host of embedded applications that require higher performance and I/O bandwidth in a compact form factor.

FEATURES

- PCI-104 and PCIe/104 expansion capabilities
- COM Express® Type 2 Basic and Compact module compatible
- COM Express® Carrier supports modules from major manufacturers
- Small size

SPECIFICATIONS

<table>
<thead>
<tr>
<th>Feature</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Expansion Capabilities</strong></td>
<td>PCI-104 and PCIe/104</td>
</tr>
<tr>
<td><strong>HDMI Video</strong></td>
<td>Standard HDMI jack on board front edge (video only) provided by Chrontel Ch7307 SDVO to DVI converter</td>
</tr>
<tr>
<td><strong>Power Options</strong></td>
<td>+12V power on 4 pin screw terminal, ATX control signals provided on 4 pin header or lower cost ATX power only version available using 24 pin ATX connector</td>
</tr>
<tr>
<td><strong>Compatibility</strong></td>
<td>All COM® Express Type 2 Basic and Compact Modules</td>
</tr>
<tr>
<td><strong>Serial</strong></td>
<td>4x RS-232, 4x RS-485 using SMSC SCH3114i-NU on LPC bus I/O provided with DB9M adapter cables</td>
</tr>
<tr>
<td><strong>USB</strong></td>
<td>4 x USB port on front edge via dual stacked USB connectors</td>
</tr>
<tr>
<td><strong>Fan</strong></td>
<td>Standard 3 pin fan connector available</td>
</tr>
<tr>
<td><strong>Battery</strong></td>
<td>Lithium battery provides CMOS storage power</td>
</tr>
<tr>
<td><strong>Dimensions</strong></td>
<td>175mm x 115mm (6.89” x 4.53”)</td>
</tr>
<tr>
<td><strong>Humidity</strong></td>
<td>• Operating: 10% to 90%</td>
</tr>
<tr>
<td></td>
<td>• Storage: 5% to 95%</td>
</tr>
</tbody>
</table>

**LVDS Video**

- LVDS A & B Channel, 30 pin header, 8 pin backlight header

**VGA Video**

- Standard VGA, 10 pin header and adapter cable with HDB15

**Storage Options**

- 2 x SATA vertical SATA connectors (ports 1, 3)
- 1 x mSATA (SSD in miniPCIe card format, port 2)
- Compact Flash Type 1, jack on front edge

**Ethernet**

- Gigabit Ethernet, RJ45 jack on front edge

**GPIO**

- 8 bits GPIO from COM® Express module, on 2x5 header DB9 adapter cable provides I/O

**12V Power Consumption**

- Estimate 5-12A @ 12V, depends on COM® Express module, features and PC/104 modules installed

**Audio**

- 2 x Stereo jacks on front edge
- Jumper selectable Line Out, Headphone Out, Mic In, Line In

**Optional Cable Kit**

- Includes Serial, SATA, VGA Video, LVDS, GPIO DB9 cable

**Operating Temperature**

- -30°C to 80°C (-22°F to 176°F)

**Warranty and Support**

- 2 Year Warranty and free technical support