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.

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

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

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

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