



Connect Tech's COM Express® Type 6 Rugged Ultra Lite Carrier Board is a compact carrier board which matches of a COM Express Basic module.

It offers the ultimate durability with rugged, locking pin header connectors. Supporting the latest Intel® processor sets, the carrier board has MiniPCIe expansion. Choose between a USB 3.0 option or a USB 2.0 option.



Ideal for space constrained applications, harsh environments, demanding conditions and supports extended temperature ranges of -40°C to +85°C.

## FEATURES

- ✓ Ruggedized, locking pin header connectors
- ✓ MiniPCIe Expansion
- ✓ Extended Temperature Range: -40°C to +85°C (-40°F to +185°F)
- ✓ COM Express® Type 6 compatibility
- ✓ Supports latest Intel® processor sets

## SPECIFICATIONS

<b>COM Express Module Compatibility</b>	<ul style="list-style-type: none"> <li>COM Express Type 6 Modules</li> <li>PICMG COM Express® COM.0 R2.0</li> </ul>	<b>Mini-PCIe Expansion</b>	<ul style="list-style-type: none"> <li>2 x half or full length cards</li> <li>Both sockets have PCIe, USB and SATA signaling for mSATA operation</li> <li>1 x SIM Card Expansion</li> </ul>
<b>Storage</b>	<ul style="list-style-type: none"> <li>4 x SATA ports:               <ul style="list-style-type: none"> <li>2 x mSATA</li> <li>2 x External Vertical Locking Connector</li> </ul> </li> </ul>	<b>Network</b>	<ul style="list-style-type: none"> <li>2 x Gigabit Ethernet (10/10/1000) Ports               <ul style="list-style-type: none"> <li>1 from COM Express</li> <li>1 from on-board Intel 82574I PHY/Controller</li> </ul> </li> </ul>
<b>GPIO</b>	8-bit GPIO	<b>USB</b>	<ul style="list-style-type: none"> <li>CCG011: 8 x USB 2.0 Ports (2 used for MiniPCIe)</li> <li>CCG012: 4 x USB 3.0, 2 x USB 2.0, 2 x MiniPCIe slots</li> </ul>
<b>Display</b>	<ul style="list-style-type: none"> <li>2 x DisplayPort++ (DDI) interface - which can be used for DisplayPort, HDMI, DVI or VGA               <ul style="list-style-type: none"> <li>1 x VGA (Analog/CRT)</li> <li>1 x LVDS interface (single ch 24-bit, dual ch 48-bit)</li> </ul> </li> </ul>	<b>Audio</b>	<ul style="list-style-type: none"> <li>HD Audio (Cirrus Logic CS4207 codec)               <ul style="list-style-type: none"> <li>1 x stereo input</li> <li>1 x stereo output</li> </ul> </li> </ul>
<b>Serial</b>	<ul style="list-style-type: none"> <li>1 x Console RS-232 port (TX/RX)</li> <li>2 x RS-232 (w/ full modem signals)</li> <li>2 x RS-422/485</li> </ul>	<b>Miscellaneous External Faces</b>	<ul style="list-style-type: none"> <li>SMBus</li> <li>I2C</li> <li>Battery Low Indication</li> <li>PC speaker Interface</li> <li>System Status (S3 and Reset Outputs)</li> </ul>
<b>Power</b>	<ul style="list-style-type: none"> <li>Input: Single +12V input +/- 5% (5mm pitch terminal-connector)</li> <li>On-board RTC Battery 3V 48mAh (with option to select from RTC external battery)</li> </ul>	<b>I/O Connectors</b>	<ul style="list-style-type: none"> <li>All low-profile shrouded locking ruggedized 2mm pitch headers.</li> <li>Can be mated to panel mountable cable set or MIL type connectors.</li> </ul>
<b>Temperature</b>	-40°C to 85°C (-40°F to 185°F)	<b>Dimensions</b>	125mm x 95 mm (4.92" x 3.74")



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