



## COM Express® Carrier

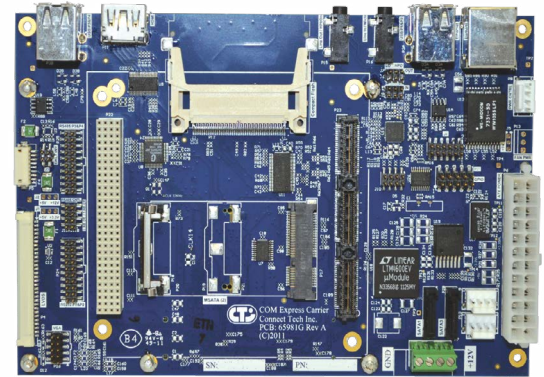
Connect Tech's COM Express® Carrier is a full-featured, compact carrier board that is compatible with COM Express® Type 2 Basic and Compact modules.

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.

COM Express® Carrier is ideal for a host of embedded applications that require higher performance and I/O bandwidth in a compact form factor. System expansion capability and customization is available through application-specific carrier boards.

COM  Express®

**Product Name:** COM Express® Carrier  
**Part Number:** CCG001



### Specifications

<b>Expansion Capabilities</b>	PCI-104 and PCIe/104
<b>LVDS Video</b>	LVDS A & B Channel, 30 pin header, 8 pin backlight header
<b>HDMI Video</b>	Standard HDMI jack on board front edge (video only) provided by Chronitel CH7307 SDVO to DVI converter
<b>VGA Video</b>	Standard VGA, 10 pin header and adapter cable with HDB15
<b>USB</b>	4 x USB port on front edge via dual stacked USB connectors
<b>Storage Options</b>	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
<b>Audio</b>	2 x Stereo jacks on front edge Jumper selectable Line Out, Headphone Out, Mic In, Line In
<b>Ethernet</b>	Gigabit Ethernet, RJ45 jack on front edge
<b>Serial</b>	4x RS-232, 4x RS-485 using SMSC SCH3114i-NU on LPC bus I/O provided with DB9M adapter cables
<b>GPIO</b>	8 bits of GPIO from COM® Express module, on 2x5 header DB9 adapter cable provides I/O
<b>Power Options</b>	+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
<b>12V Power Consumption</b>	Estimate 5-12A @ 12V, depends on COM® Express module, features and PC/104 modules installed
<b>Fan</b>	Standard 3 pin fan connector available Jumper selectable 5V or 12V power
<b>Compatibility</b>	All COM® Express Type 2 Basic and Compact Modules
<b>Battery</b>	Lithium battery provides CMOS storage power
<b>Optional Cable Kit</b>	Includes Serial, SATA, VGA Video, LVDS, GPIO DB9 cable
<b>Dimensions</b>	175mm x 115mm
<b>Operating Temperature</b>	-30°C to 80°C (-22°F to 176°F)
<b>Humidity</b>	<b>Operating:</b> 10% to 90% <b>Storage:</b> 5% to 95%
<b>Warranty and Support</b>	2 Year Warranty and free technical support

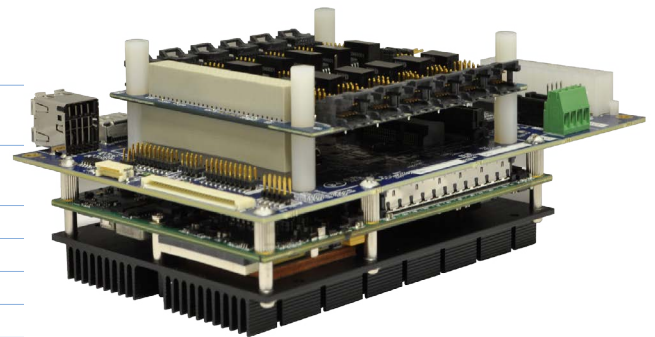
**RoHS**

Specifications subject to change without notice.

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### 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



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