



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.

Specifications

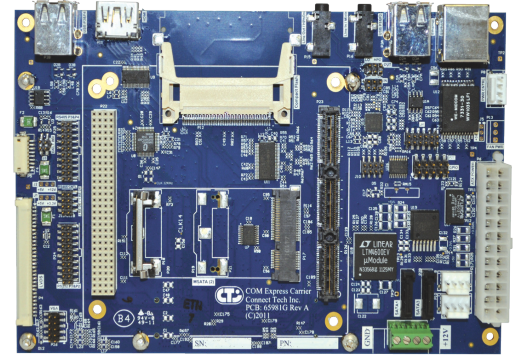
Expansion Capabilities	PCI-104 and PCIe/104
LVDS Video	LVDS A & B Channel, 30 pin header, 8 pin backlight header
HDMI Video	Standard HDMI jack on board front edge (video only) provided by Chronitel CH7307 SDVO to DVI converter
VGA Video	Standard VGA, 10 pin header and adapter cable with HDB15
USB	4 x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

RoHS

Specifications subject to change without notice.
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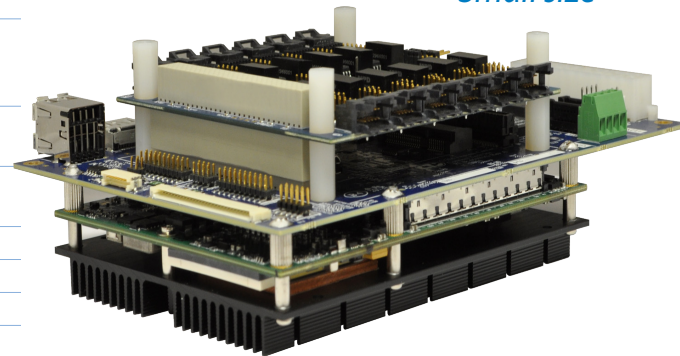
COM Express®

Product Name: COM Express® Carrier
Part Number: CCG001



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



Connect Tech Inc.
42 Arrow Road, Guelph ON Canada
Tel: 519.836.1291 **Fax:** 519.836.4878
Toll: 800.426.8979 (North America)
Email: sales@connecttech.com
www.connecttech.com