



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

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 Chrontel CH7307 SDVO to DVI converter	VGA Video	Standard VGA, 10 pin header and adapter cable with HDB15
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	Storage Options	<ul style="list-style-type: none"> • 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
Compatibility	All COM® Express Type 2 Basic and Compact Modules	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
USB	4 x USB port on front edge via dual stacked USB connectors	12V Power Consumption	Estimate 5-12A @ 12V, depends on COM® Express module, features and PC/104 modules installed
Fan	<ul style="list-style-type: none"> • Standard 3 pin fan connector available • Jumper selectable 5V or 12V power 	Audio	<ul style="list-style-type: none"> • 2 x Stereo jacks on front edge • Jumper selectable Line Out, Headphone Out, Mic In, Line In
Battery	Lithium battery provides CMOS storage power	Optional Cable Kit	Includes Serial, SATA, VGA Video, LVDS, GPIO DB9 cable
Dimensions	175mm x 115mm (6.89" x 4.53")	Operating Temperature	-30°C to 80°C (-22°F to 176°F)
Humidity	<ul style="list-style-type: none"> • Operating: 10% to 90% • Storage: 5% to 95% 	Warranty and Support	2 Year Warranty and free technical support



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