



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

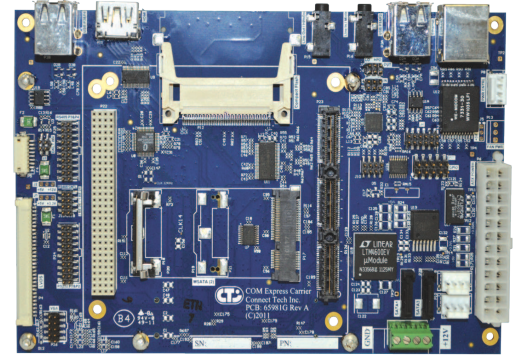
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| Expansion Capabilities | PCI-104 and PCIe/104 |
| LVDS Video | LVDS A & B Channel, 30 pin header, 8 pin backlight header |
| HDMI Video | Standard HDMI jack on board front edge (video only) provided by Chronitel CH7307 SDVO to DVI converter |
| VGA 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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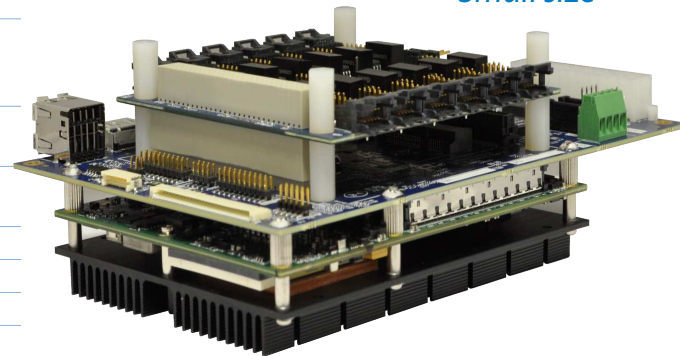
COM Express®

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



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