



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

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



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