



**Connect Tech Inc.**  
Embedded Computing Experts



# COM Express® Type 10 PC Connector Carrier

Connect Tech's COM Express® Type 10 PC Connector Carrier is an extremely small carrier board featuring a combination of PC style connectors and locking pin header connectors. The carrier is a robust offering, with 2x USB 3.0 Type A ports, 6x USB 2.0 ports, 1x HDMI, 1x LVDS interface, and 2x GbE.

The COM Express Type 10 Carrier Board provides support for the latest generation of low-powered CPUs. It is ideal for space constrained applications and supports extended temperature ranges of -40°C to +85°C.

**Product Name:** COM Express® Type 10 PC Connector Carrier  
**Part Number:** CCG022



Specifications	
Compatibility	COM Express® Type 10 Modules PICMG COM Express® COM.0 R2.1
Mini-PCIe Expansion	2 x half size cards OR 1 x full length card Both sockets have PCIe and USB signaling, one socket can be configured as mSATA
Storage	1 x mSATA
USB	2 x USB 3.0 Type A (Only if supported by COM Express Module) 6 x USB 2.0 Ports (2 to USB 3.0 connector, 2 to USB 2.0 Type A connector, 2 to miniPCIe)
Network	2 x Gigabit (10/100/1000) Ports 1 from COM Express® 1 from on-board Intel 82574 PHY/Controller
GPIO	8-bit GPIO
Display	1 x HDMI Type A Connector 1 x LVDS interface (18-bit, 3 data pairs)
Audio	HD Audio (Cirrus Logic CS4207 codec) 1 x stereo input 1 x stereo output
Serial	2 x RS-232/422/485 hardware selectable ports
Misc. External Interfaces	SMBus I2C Battery Low Indication System Status (S3 and Reset Outputs)
Power	Single wide input range +8V to +14V (may be module dependent)
Connectors	USB Type A, RJ45, HDMI connectors, additional signals via shrouded locking ruggedized 2mm pitch headers. Can be mated to CTI custom cable set to panel mount or PC MIL type connectors
Temperature	-40°C to +85°C (-40°F to +185°F)
Dimensions	84mm x 73.415mm (3.307" x 2.890")
Weight	68g

## FEATURES

- ✓ *Extremely small size  
84mm x 73.415mm*
- ✓ *Combination of PC style and locking pin header connectors*
- ✓ *Support for the latest generation of low-powered CPUs*
- ✓ *2 x USB 3.0 Type A, 6x USB 2.0, 2x RS-232, 2x GbE, 1x mSATA*
- ✓ *Extended Temperature Range  
-40°C to +85°C*