



## COM Express Type 6

Connect Tech's COM Express Type 6 carrier, model CCG060, changes the design process completely! The CCG060 provides high density board to board connectors for use with either off-the-shelf or custom breakout boards, dramatically reducing the need for cabling.

With all of the complex circuitry already on the carrier, such as Gigabit Ethernet, USB 3.0, Serial, and Display, the design of a unique breakout board can be done with minimal effort using Connect Tech's design services or by the user.

Use with off the shelf breakout boards, or easily design a custom breakout board to meet your needs. Access to the COM Express PCI Express x16 Bus enables high data throughout or bifurcation design options. In addition, both unused SATA Links and PCIe x1 Links with clocks are provided to the breakout board. All this allows for breakout board expansion to meet your design needs.

**Product Name:** COM Express Type 6  
**Part Number:** CCG060



## FEATURES

- ✓ 125mm x 95mm (4.92" x 3.74")
- ✓ 3x Mini PCIe Modules
- ✓ 4x GbE Ports with On-Board Magnetics
- ✓ PCI Express x16 Bus Design Access
- ✓ Use with Off-the-Shelf or Custom designed breakout boards
- ✓ -40°C to +85°C

Specifications	
Compatibility	COM Express Type 6 Module PICMG COM Express COM.0 R2.1
Dimensions	125mm x 95mm (4.921" x 3.740")
Mini-PCIe/mSATA	3x Mini-PCIe/mSATA Full Size
SATA	4x SATA Link*
Display	2x DDI Link* 1x VGA 1x LVDS
Serial	2x RS-232/RS-485 Links*
USB	4x USB 3.0 Links* 4x USB 2.0 Links* 3x USB 2.0 (Mini-PCIe)
Ethernet	4x Gigabit Ethernet (10/100/1000) Links*
Audio	HD Audio Link*: 1x Input, 1x Output
SD Card	microSD Card Slot (Uses GPIO Pins)
PCI Express	5x PCIe x1 Link with PCIe CLK* 1x PCIe x16 Bus with 4x PCIe CLK allowing for PCIe Bifurcation
Misc.	1x SMB Link 1x FAN Link 1x I2C Link
Power Requirements	+12V Input
Operating Temperature	-40°C to 85°C (-40°F to 185°F)

\* Indicates that Feature is connected to High Density Connectors for Breakout Board Utilization

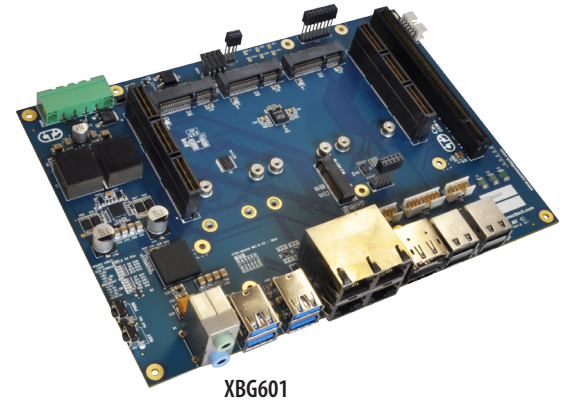
**RoHS**

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CTIX-00444.0.02 - Jan 17, 2018

## COM Express Type 6



XBG601

Specifications	
Breakout Board	COM Express Type 6 Maximized Breakout Board (XBG601)
Compatibility	CCG060
Dimensions	185mm x 137.5mm (7.284" x 5.414")
Mini-PCIe/mSATA	3x Mini-PCIe/mSATA Full Size (No USB)
M.2	1x M.2 Key M (PCI Express or SATA)
Display	1x DisplayPort 1x HDMI 1x VGA
Serial	2x RS-232/RS-485
USB	4x USB 3.0 Links 4x USB 2.0 Links
Ethernet	4x RJ-45 Gigabit Ethernet (10/100/1000)
Audio	HD Audio 3.5mm Stereo Jack
PCI Express	1x PCI Express x16 Card Slot with Additional +12.0V Power
Misc.	1x FAN Header 1x RESET Button 1x PWR Button
Power Requirements	+12V to +48V DC Input
RTC Battery	External Battery Header
Operating Temperature	-40°C to 85°C (-40°F to 185°F)

### RoHS

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