

COM Express® Type 10 Carrier

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	CCG010: 1 x mSATA, 1 x External SATA CCG020: 1 x mSATA
USB	CCG010: 8 x USB 2.0 Ports (6 to connectors, 2 to miniPCIe) CCG020: 2 x USB 3.0 Ports (Only if supported by COM Express Module) 6 x USB 2.0 Ports (2 to USB 3.0 connector, 2 to USB 2.0 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 DisplayPort++ (DDI) interface Can be used for DisplayPort, HDMI, DVI or VGA 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 +6V to +14V (may be module dependent)
Connectors	All 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
Dimensions	84mm x 55mm
Weight	49g
Support	2 Year Warranty and Free technical support

Product Name: COM Express® Type 10
Part Number: CCG010, CCG020



CCG010



CCG020

Connect Tech's COM Express Mini Carrier Board Comparison

Specifications	CCG010	CCG020
Mini PCI Express	2 slots	2 slots
PMC/XMC	-	-
HDMI	✓	✓
DisplayPort	✓	✓
DVI	✓	✓
LVDS	✓	✓
VGA	-	-
Gigabit Ethernet	2	2
USB 2.0/3.0	6/0	4/2
USB Client Port	1	1
Serial RS-232 / RS-485	2/2	2/2
HD Audio	✓	✓
GPIO	8 bits	8 bits
SATA	1	-
mSATA	1	1
Compact Flash	-	-
SD Card	✓	✓
Input Power Options	+6V to +14V	+6V to +14V
PCI-104 / PCIe/104	-	-
Dimensions	84 x 55mm	84 x 55mm
Temperature	-40°C to +85°C	-40°C to +85°C

FEATURES

- ✓ Extremely small size 84mm x 55mm
- ✓ All ruggedized latching connectors
- ✓ Support for the latest generation of low-powered CPUs
- ✓ Extended Temperature Range

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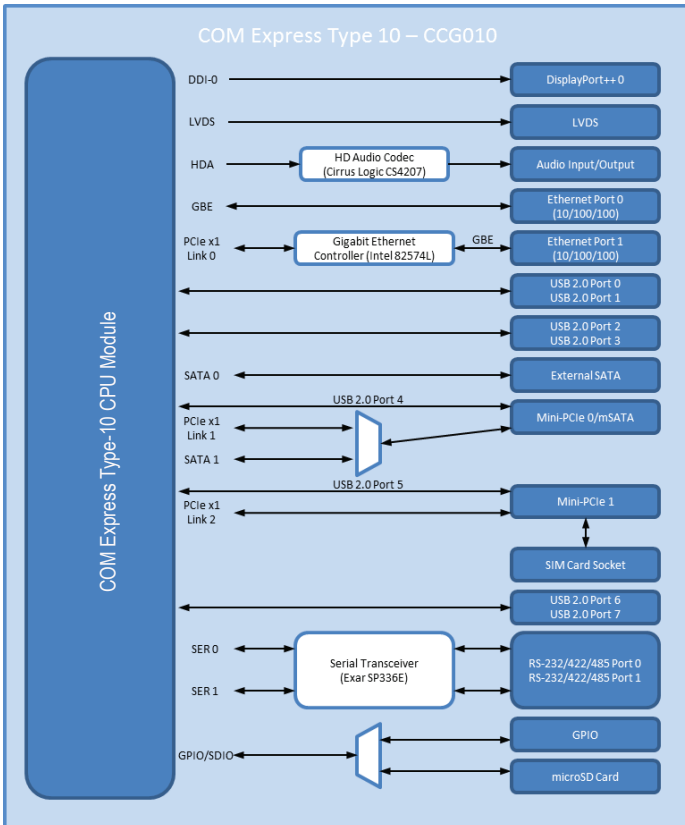
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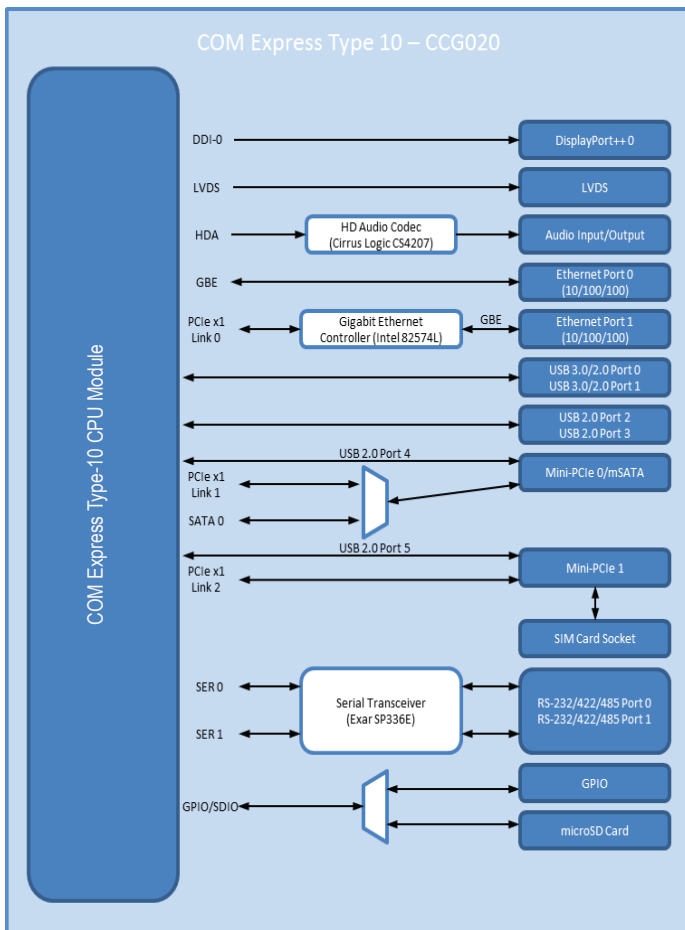
COM Express® Type 10 Carrier

CCG010

Product Name: COM Express® Type 10
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CCG020



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