

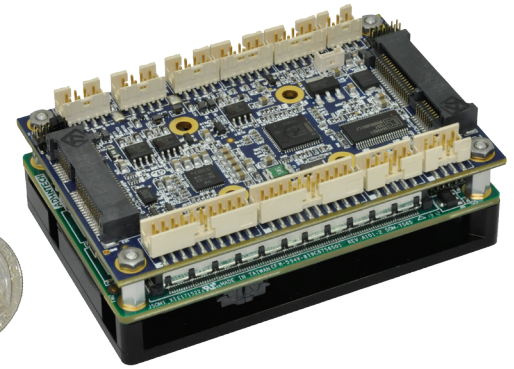


Connect Tech Inc.

COM Express® Mini Carrier

COM Express® Type 10

COM Express®



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

FEATURES

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

Specifications

Compatibility	COM Express® Type 10 Modules PICMG COM Express® COM.0 R2.0
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	2 x SATA Ports 1 x mSATA 1 x external right angle connector
USB	8 x USB 2.0 Ports: 6 to external connectors 2 to mini PCIe ports
Network	2 x Gigabit (10/100/1000) Ports 1 from COM Express® 1 from on-board Intel 825741 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	Lifetime Warranty and Free technical support

COM Express Carrier Board Comparison

Specifications	Type 2	Ultra Lite Type 6	PMC/XMC Type 6	Type 10
Mini PCI Express	-	2 slots	4 slots	2 slots
PMC/XMC	-	-	2 slots	-
HDMI	✓	✓	✓	✓
DisplayPort	-	✓	✓	✓
DVI	-	-	✓	✓
LVDS	✓	✓	✓	✓
VGA	✓	✓	✓	-
Gigabit Ethernet	1	2	2	2
USB 2.0/3.0	4/0	6/4	8/4	6/0
USB Client Port	-	1	1	1
Serial RS-232 / RS-485	2/2	3/2	9/8	2/2
HD Audio	✓	✓	✓	✓
GPIO	8 bits	8 bits	8 bits	8 bits
SATA	2	2	2	1
mSATA	1	2	2	1
Compact Flash	1	-	-	-
SD Card	-	✓	✓	✓
Input Power Options	+12V or ATX	+12V only	+9V to +36V	+6V to +14V
PCI-104 / PCIe/104	Optional	-	-	-
Dimensions	175 x 115mm	125 x 95mm	381 x 190.5mm	84 x 55mm
Temperature	-30°C to 80°C	-40°C to +85°C	-40°C to +85°C	-40°C to +85°C

Connect Tech Inc.

42 Arrow Road
Guelph, ON Canada

Tel: 519.836.1291

Fax: 519.836.4878

Toll: 800.426. 8979 (NA)

Email: sales@connecttech.com

www.connecttech.com

RoHS

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