



COM Express® Type 6 PMC/XMC Ultra Lite Carrier

Connect Tech's COM Express® Type 6 PMC/XMC Ultra Lite Carrier Board is a compact, feature-rich carrier which offers dual PMC/XMC and Mini-PCIe expansion. This carrier board features USB 3.0 and DisplayPort, and supports the latest processor sets, including Intel® Skylake.

The COM Express® Type 6 PMC/ XMC Ultra Lite Carrier Board is ideal for military and aerospace applications, and accepts a wide input voltage range from a regulated or un-regulated source of +12V to +48V DC.

Specifications

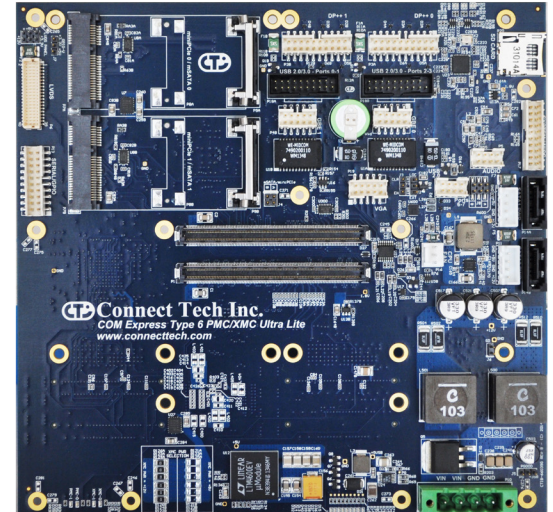
Dimensions	170mm x 165mm
COM Express	Accepts Type-6 Up to 4th Gen Intel Core i7 (Haswell)
Peripheral Connector Type	Rugged Locking 2mm Pitch Connectors
MiniPCIe Expansion	2 slots (with PCIe, USB and SATA connections)
PMC Expansion	2 PMC (PCI) for I/O expansion
XMC Expansion	2 x8 XMC (PCIe) for I/O expansion
DisplayPort++	2 outputs (can be used for HDMI, DVI or VGA)
VGA	1 Analog CRT VGA Port
LVDS	18-24-bit LVDS
GBE	2 x 10/100/1000 Ethernet Ports
USB	6 Total - 4 x USB 3.0/2.0 Ports, 2 x USB 2.0 ports
HD Audio	1 stereo input, 1 stereo output
RS-232	1 to COM Express console port
GPIO	8 -bits (Buffered 4in/4out, +3.3V or +5V selectable)
Ext SATA	2 external SATA connectors (capable of SATA III)
mSATA	2 mSATA slots (capable of SATA III)
SD Card	1 micro SD Card slot (from USB source)
Input Power	+12V to +48V DC
Industrial SSD	Up to 64GB of industrial grade SSD storage (optional)
Warranty and Support	2 Year Warranty and free technical support

RoHS

Specifications subject to change without notice.
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COM Express Carrier Board Comparison

Part #	CCG007	CCG013	CCG016
Product Name	COM Express® PMC/XMC Type 6	COM Express® PMC/XMC Type 6 Ultra Lite	COM Express® PMC/XMC Type 6 Lite
Dimensions	381 x 190.5mm	170 x 165mm	195 x 190mm
Mini PCI Express	4 slots	2 slots	2 slots
PMC/XMC	2 slots	2 slots	2 slots
PMC/XMC Cooling	-	-	✓
HDMI	✓	-	✓
DisplayPort	1	2	2* (HDMI/DP switchable)
DVI	✓	-	-
LVDS	✓	✓	✓
VGA	✓	✓	✓
Gigabit Ethernet	2	2	2
USB 2.0/3.0	8/4	6/4	6/4
USB Client Port	1	1	1
Serial RS-232 / RS-485	9/8	1/0	1/0
HD Audio	✓	✓	✓
GPIO	8 bits	8 bits	8 bits
SATA	2	2	2
mSATA	2	2	2
SD Card	✓	✓	✓
Input Power Options	+9V to +36V	+12V to +48V	+12V to +48V
Temperature	-40°C to +85°C	-40°C to +85°C	-40°C to +85°C



FEATURES

- ✓ Ruggedized, locking pin header connectors
- ✓ Dual PMC/XMC & Mini-PCIe Expansion
- ✓ COM Express Type 6 compatibility
- ✓ Small form factor (170mm x 165mm)
- ✓ Supports latest processor sets, including Intel® Skylake
- ✓ Extended Temperature Range

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*Display ++ can be used for Display Port, HDMI, DVI, or VGA