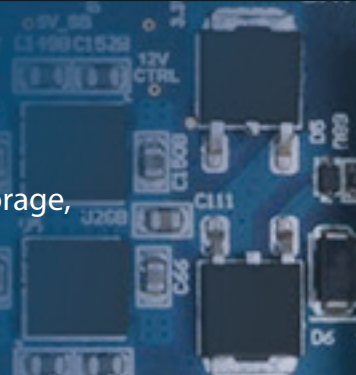




Connect Tech's COM Express® Type 7 Carrier Board is based on the PICMG COM Express COM.0 R3.0 specification.

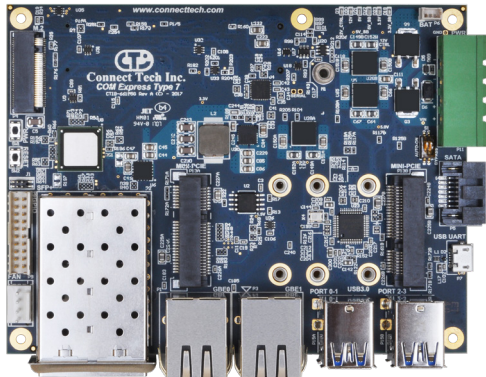
It includes dual 10-Gigabit Ethernet from SFP+ modules, 2x GbE ports, M.2 NVMe Storage, 4x USB 3.0, full and half size Mini PCIe expansion slots, 8x 3.3V buffered GPIO, and a Console connection via Micro USB.



Ideal for high-compute, enterprise level applications that have a need for a small form factor rugged solution providing access to high-end Xeon D class processors.

## FEATURES

- ✓ COM Express Type 7 Module Support
- ✓ Dual 10GbE Ethernet Support
- ✓ Ultra High Speed Storage with M.2 NVMe SSD support
- ✓ Extremely Small Form Factor: 125 x 95mm
- ✓ Extended Temperature Range: -40°C to +85°C (-40°F to +185°F)



## SPECIFICATIONS

<b>COM Express Module Compatibility</b>	<ul style="list-style-type: none"> <li>• COM Express Type 7 Modules</li> <li>• PICMG COM Express® COM.0 R3.0</li> <li>• Support for current and next-gen Xeon-D (Broadwell DE) processor modules</li> </ul>	<b>10 Gigabit Ethernet</b>	<ul style="list-style-type: none"> <li>• 2 x 10GbE (via SFP+ cages)</li> <li>• Integrated Extended Temperature 10Gbps PHY located directly on the carrier board</li> <li>• Capable of 10GBASE-SR, 10GBASE-LR or 10GBASE-T using when using the appropriate SFP+ transceiver module.</li> </ul>
<b>Gigabit Ethernet</b>	<ul style="list-style-type: none"> <li>• 2 x GbE Ports (via RJ-45)</li> <li>• 1000BASE-T (10/100/1000Mbps) Capable</li> </ul>	<b>Storage</b>	<ul style="list-style-type: none"> <li>• 1 x M.2 2280 M-Key Slot (Dual function PCIe + SATA) <ul style="list-style-type: none"> <li>- NVMe (PCIe x4 Gen3) Capable</li> <li>- SATA III (6Gbps) Capable</li> </ul> </li> <li>• 1 x Standard SATA Port (7-Pin)</li> </ul>
<b>USB</b>	4x USB 3.0 ports	<b>Expansion</b>	<ul style="list-style-type: none"> <li>• 1x mini PCIe slot full size (USB + PCIe)</li> <li>• 1x mini PCIe slot half size (USB + PCIe)</li> </ul>
<b>Serial</b>	<ul style="list-style-type: none"> <li>• 1x CPU Console UART (via Micro USB)</li> <li>• 1x General Purpose UART (via 2mm header)</li> </ul>	<b>GPIO</b>	8x 3.3V buffered GPIO
<b>Input Power</b>	+12V DC only	<b>Display Output</b>	<ul style="list-style-type: none"> <li>• None (Headless System)</li> <li>• Initial Setup/Debug can be achieved via MiniPCIe graphics module</li> </ul>
<b>Misc.</b>	Reset Button, Power Button, Sys Ctrl	<b>Dimensions</b>	125mm x 95mm (4.921" x 3.74")
<b>Weight</b>	124g (4.37oz)	<b>Operating Temperature</b>	-40°C to 85°C (-40°F to 185°F)



Specifications subject to change without notice. ©2020 Connect Tech Inc. All trademarks are property of their respective holder. CTIX-00471(0.02) - 2020-07-14