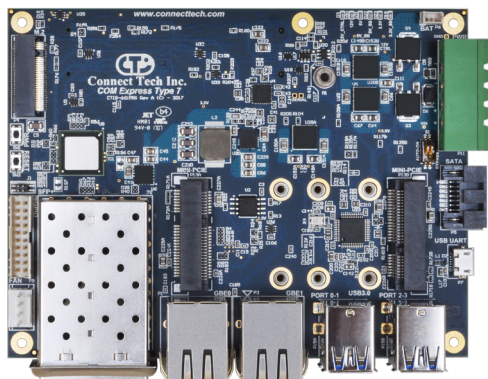


Connect Tech's COM Express® Type 7 Carrier Board is based on the PICMG COM Express COM.0 R3.0 specification.

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.

COM  **Express®**



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

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

RoHS

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