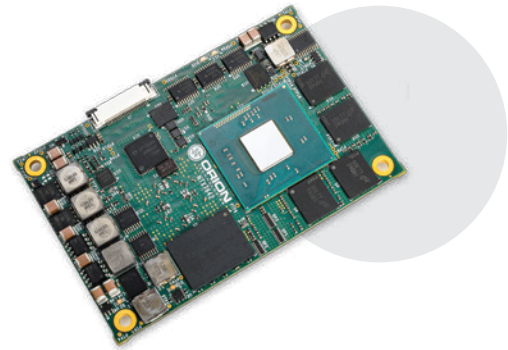




A Phoenix Mecano Company

NTX7642 ■

Ultra Low-Power, Extended Temp.
Intel® Core™, Bay Trail based
SBC for COM Express® Mini



Your Partner in Embedded Solutions

Features

- Intel® E3800 Series Processor
- Ultra Small Form Factor (55mm x 84mm) with enhanced ruggedization
- Type 1 and Type 10 COM Express Signaling
- 10/100/1000 Base-T Ethernet Port
- Two SATA 3.0 Gb/s ports
- Two Serial ports
- Two USB 3.0/2.0 ports
- Two USB 2.0 ports
- USB OTG port
- HDMI/ DP Video Connection
- HD Audio
- Various Board Support Packages (BSPs) available including Linux, Wind River VxWorks & Windows

For a more in-depth analysis visit our website at www.oriontechnologies.com

Ordering Options

NTX7642-ABCD

- A - Processor Options
 - 1 = E3815 (Single Core, 1.46GHz)
 - 2 = E3825 (Dual Core, 1.33GHz)
 - 3 = E3845 (Quad Core, 1.91GHz)
- B - Memory Options
 - 1 = 2GB DDR3, 8GB NAND
 - 2 = 4GB DDR3, 8GB NAND
 - 3 = 4GB DDR3, 32GB NAND
- C - Reserved
 - 0 = Reserved (Must be 0)
- D - Environmental
 - 1 = Commercial Temperature
 - 2 = Extended Temperature
 - 3 = Conduction Cooled

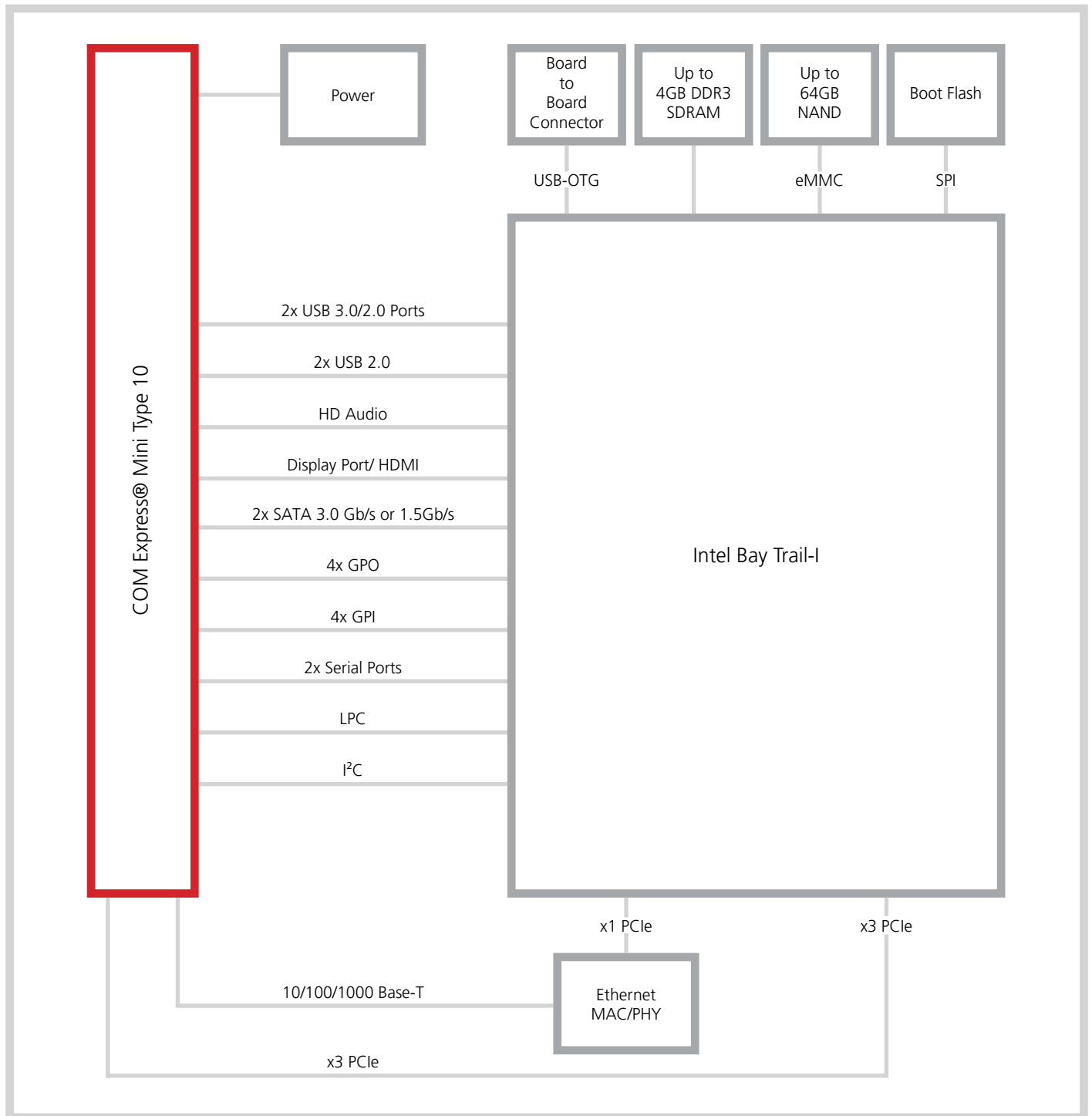
Contact factory for heat spreader options.
Optional OTI1141 Carrier Card Available.

Orion has successfully generated products utilizing an extensive assortment of microprocessors since 1990. Our single board computer product offering includes both custom and standard form factors such as VPX, VME, Compact PCI, XMC, and PMC.

Whether it's a small quantity, one-time requirement or a high volume product for years to come, we would like to be your partner in embedded solutions



Block Diagram



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