



A Phoenix Mecano Company

PCI7620

PCIe 104 4th Generation
Intel® Core™ i7
Single Board Computer



Your Partner in Embedded Solutions

Features

- Intel® Fourth Generation Core™ i7 dual core processor
- Up to 4GB DDR3L-1600 memory on-board
- Up to 64GB SATA NAND Flash on-board
- Stack down type 2 PCIe/104 connector
- Two SATA 6Gbps ports
- Four 10/100/1000 Ethernet (Base-T) ports
- Twelve lanes of PCIe 2.0 (two x4 and four x1)
- Two USB 3.0 ports and six USB 2.0 ports
- Two RS-232/RS-422 serial ports
- Three independent video display ports
- Less than 13W typical power consumption
- Rugged Extended Temperature Options available
- 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

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

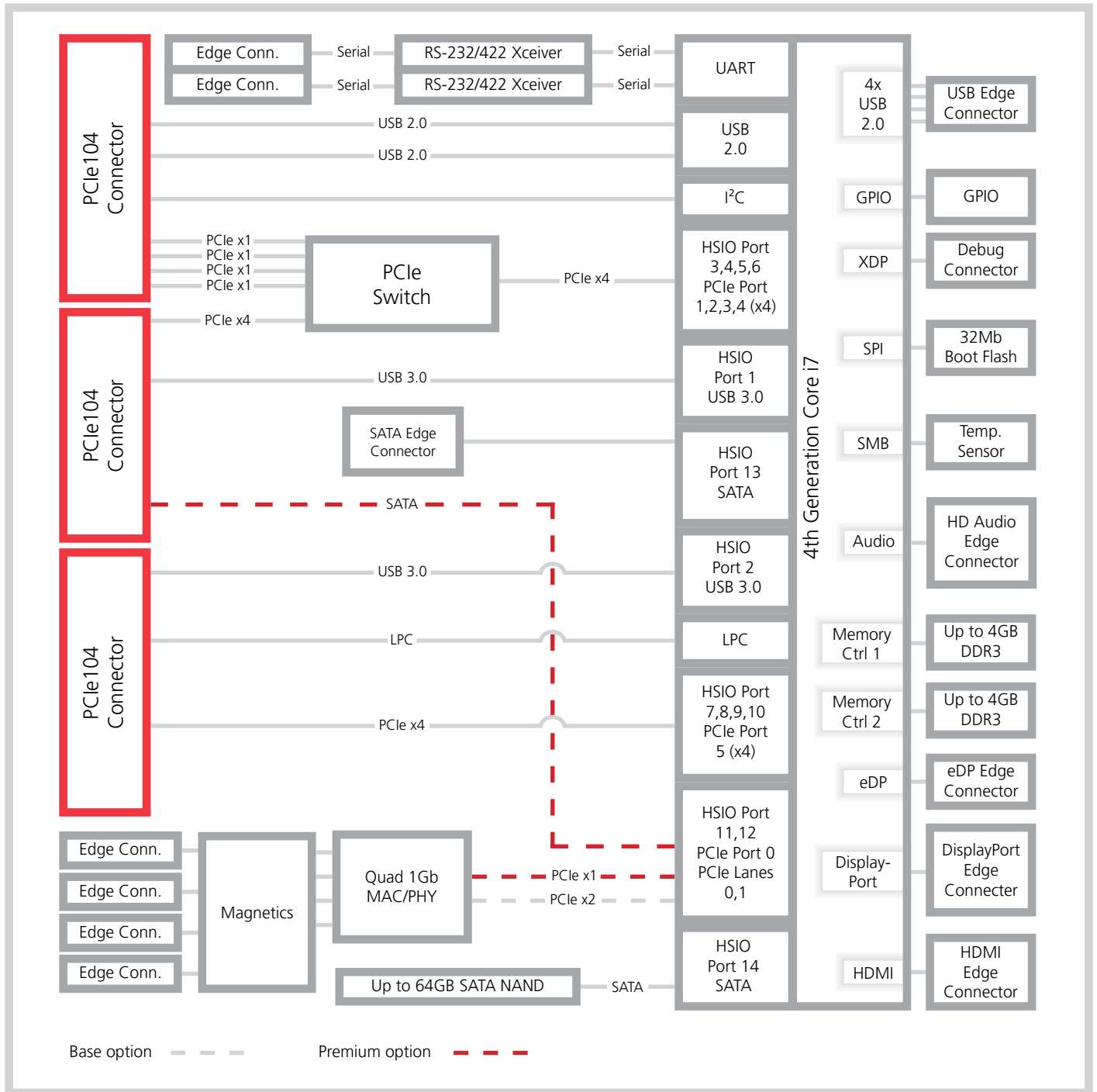
Ordering Options

PCI7620-ABCD

- A - Processor Options
 - 1 = i7-4610Y (1.7GHz Base, 2.9GHz Max)
 - 2 = i7-4650U (1.7GHz Base, 3.3GHz Max)
 - 3 = i7-4558U (2.8GHz Base, 3.3GHz Max)
- B - Memory Options
 - 1 = 4GB DDR3, 8GB User SATA Flash
 - 2 = 8GB DDR3, 16GB User SATA Flash
- C - Reserved
 - 0 = Reserved (Must be 0)
- D - Environmental
 - 1 = Commercial Temp.
 - 2 = Extended Temp.
 - 3 = Conduction Cooled



Block Diagram



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