



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 8GB 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

Linux, Windows, VxWorks 6.9 support

Less than 13W typical power consumption

Rugged Extended Temperature Options available

For a more in-depth analysis visit our website at [www.orion-technologies.com](http://www.orion-technologies.com)

## Ordering Options

PCI7620-ABCD

A - Processor Options

- 1 = i7-4610Y 1.7GHz (2.9GHz max)
- 2 = i7-4650U 1.7GHz (3.3GHz max)
- 3 = i7-4558U 2.8GHz (3.33GHz 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

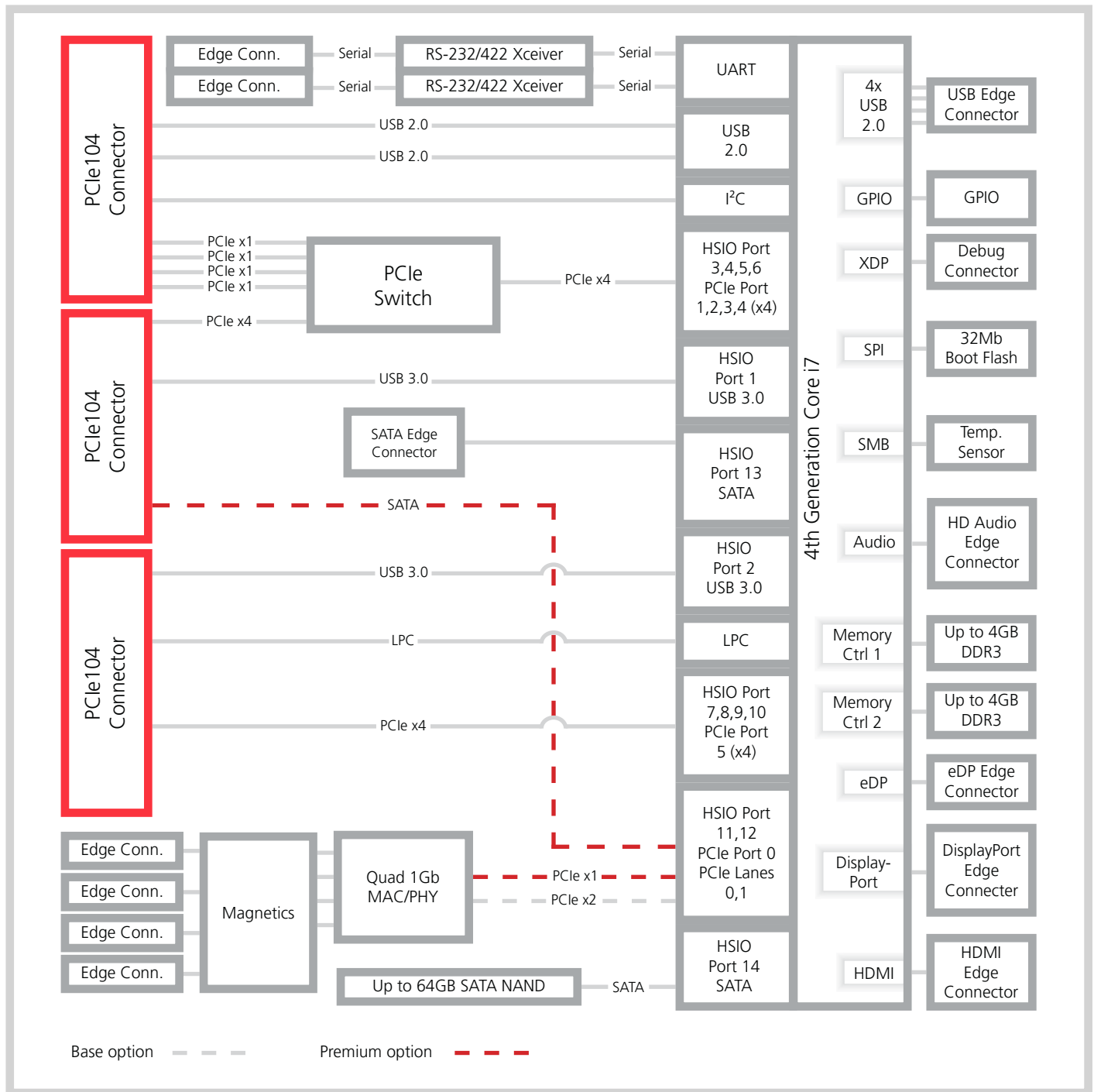
- 1 = Commercial Temp.
- 2 = Extended Temp.
- 3 = Conduction Cooled

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



Orion Technologies, LLC  
 Office: (407) 845-1700  
 Fax: (407) 203-7659  
 Email: sales@oriontechnologies.com



12605 Challenger Parkway  
 Suite 130  
 Orlando, FL 32826  
 103-7620-001E