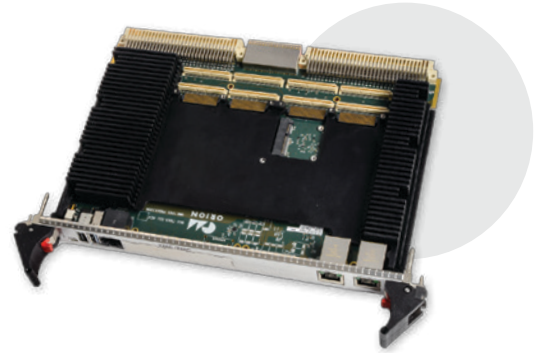




A Phoenix Mecano Company

VME7663

Rugged 6U VME Intel® Core™ i7
5th Gen. Single Board Computer
(Air or Conduction cooled)



Your Partner in Embedded Solutions

Features

- 6U VME 5th Gen. Intel® Core™ i7 SBC
- Air or Conduction cooled
- 16GB DDR3 SDRAM with ECC
- Up to two 64GB NAND Flash
- Xilinx Artix-7 VME64x bridge support for 2eSST and 2eVME
- PCIe mini/ mSATA connector with USB capability
- Eight available USB 2.0 ports
- Four available USB 3.0 ports
- One eSATA 6.0Gbps and two SATA 1.5Gbps
- Four available 1GbE Base-T ports
- Two available HDMI ports
- Two PMC/XMC sites
- Trusted Platform Module, Atmel AT97SC3204 (I²C) (V 2.0)
- Anti-tamper features available
- Various Board Support Packages (BSP) available including Linux, WindRiver VxWorks, and 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.

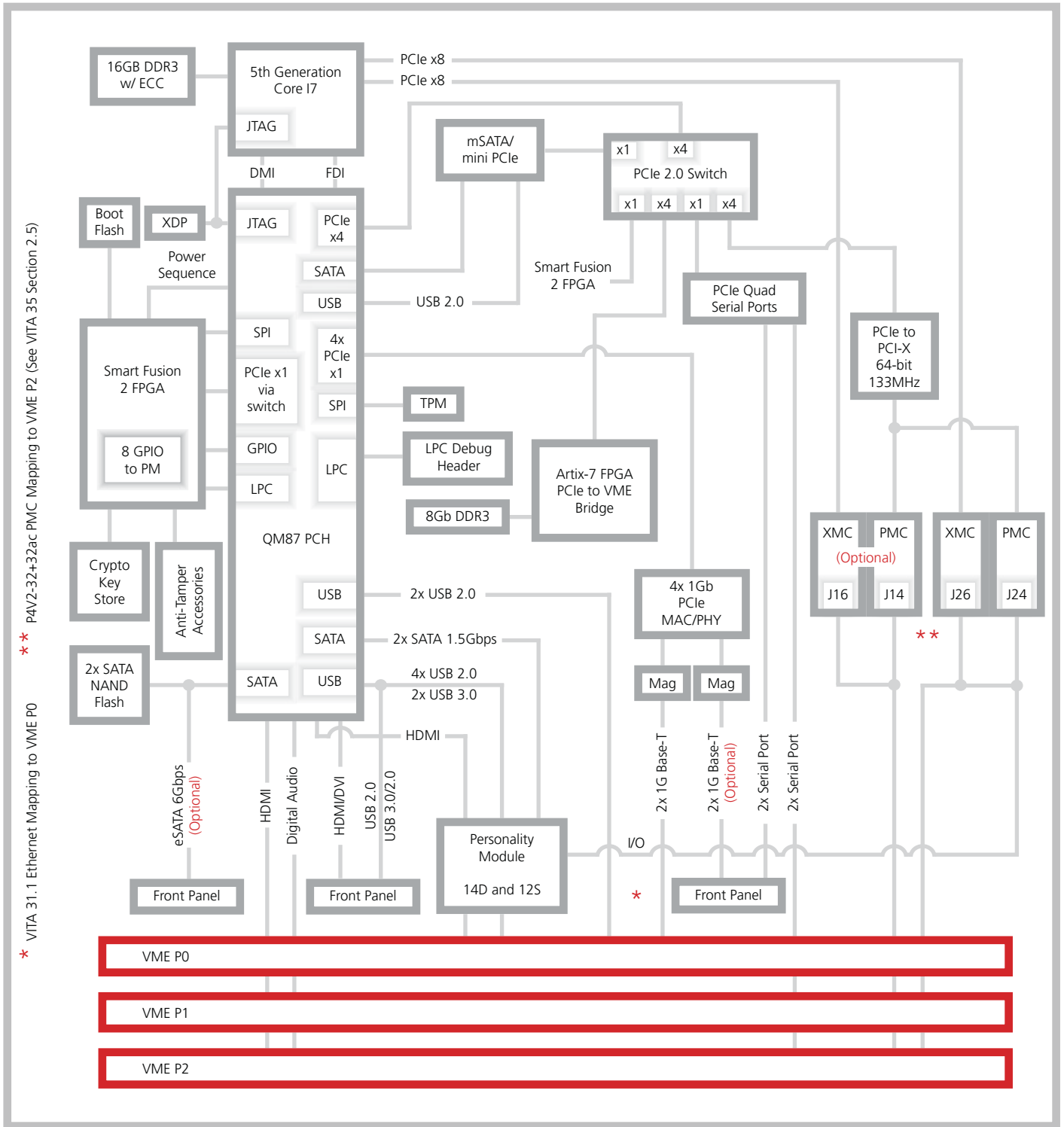
Ordering Options

VME7663-ABCDEF

- A - Processor Options
 - 1 = Reserved
 - 2 = i7-5700EQ Quad Core 2.6GHz (3.4GHz Max)
 - 3 = i7-5850EQ Quad Core 2.7GHz (3.4GHz Max) with Iris Pro Graphics
- B - Memory Options
 - 1 = 16GB RAM
- C - Onboard Storage
 - 1 = 64GB Primary NAND, No Secondary NAND
 - 2 = 64GB Primary NAND, 8GB Secondary NAND
 - 3 = 64GB Primary NAND, 64GB Secondary NAND
- D - I/O Options
 - 1 = HDMI, 8x GPIO, 2x USB 3.0, 2x USB 2.0, 2x SATA, two Front Panel GigE Ports, one available PMC/XMC site
 - 2 = HDMI, 8x GPIO, 2x USB 3.0, 2x USB 2.0, 2x SATA, one Front Panel GigE Port, two available PMC/XMC sites
- E - Removable Storage
 - 0 = Reserved
- F - Environmental
 - 1 = Air-cooled, 0 to +55°C Operating Temp.
 - 2 = Air-cooled, -40 to +55°C Operating Temp.
 - 3 = Air-cooled, -40 to +70°C Operating Temp.
 - 4 = Primary side conduction-cooled, -40 to +70°C Operating Temp.
 - 5 = Primary side conduction-cooled, -40 to +85°C Operating Temp.
 - 6 = Secondary side conduction-cooled, -40 to +85°C Operating Temp.



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

103-7663-001D