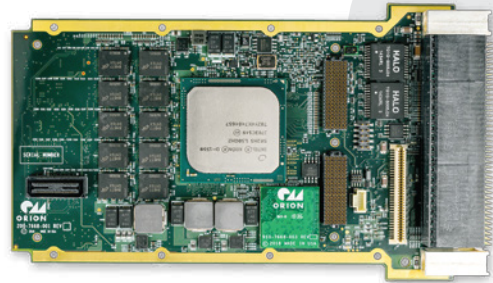


VPX7668 ■

3U VPX Intel® Xeon® D
Single Board Computer
(Air or Conduction Cooled)



Your Partner in Embedded Solutions

Features

- Intel® Xeon® D Processor up to 16 Core
- Extended temperature and rugged REDI (Vita 48.2)
- On-board temperature monitoring
- Up to 16GB of soldered DDR4 SDRAM with ECC
- Up to 64GB of on-board NAND Flash
- One 8-lane PCIe 3.0 XMC slot (Vita 42.3)
- Two x4-lane PCIe 3.0 expansion on P1
- Up to four configurable serial ports
- Eight configurable general purpose I/O
- Two USB 3.0/ 2.0 and One USB 2.0
- Five available SATA 6.0 Gb/s ports
- Trusted Platform Module 2.0
- Various Board Support Packages (BSP's) available including Linux, WindRiver VxWorks & Windows
- Anti-Tamper features available

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

VPX7668-ABCD

A - Processor Options

- 1 = Xeon® D-1529 (4 Core, 1.3GHz)
- 2 = Xeon® D-1539 (8 Core, 1.6GHz)
- 3 = Xeon® D-1559 (12 Core, 1.5GHz)
- 4 = Xeon® D-1577 (16 Core, 1.3GHz)*

B - Memory Options

- 1 = 8GB RAM, 16GB NAND
- 2 = 16GB RAM, No NAND
- 3 = 16GB RAM, 16GB NAND
- 4 = 16GB RAM, 64GB NAND

C - Pin-out Options (Based on Personality Module)

- 1 = 5x SATA, 2x USB 3.0/ 2.0, 2x RS-232, 2x RS-422, 8x GPIO
- 2 = 5x SATA, 2x USB 3.0/ 2.0, 1x RS-232, 1x RS-422, 8x GPIO, 6 Single-Ended XMC
- 3 = 1x USB 2.0, 1x USB 3.0/ 2.0, 4x RS-422, 8x GPIO, 20 Differential XMC

D - 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 = Conduction-cooled, -40 to +70°C Operating Temp.
- 5 = Conduction-cooled, -40 to +85°C Operating Temp.
- 6 = Secondary side conduction-cooled, -40 to +85°C Operating Temp.

*16 core processor not supported across all temperature ranges. Contact factory for more information.



