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TECHNOLOGY GROUP

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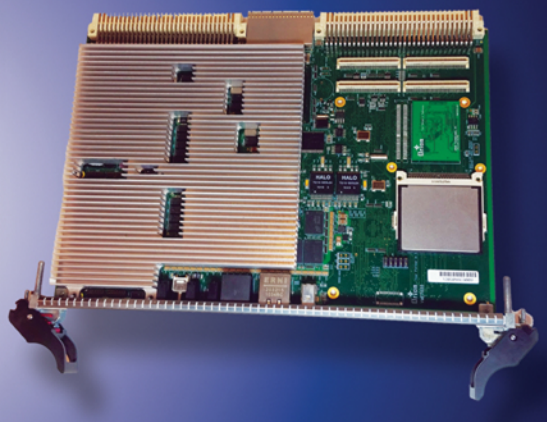
Expert team | Trust guarantee | 100% satisfaction

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VME7555

6U VME64x Single, Dual or Quad PowerPC™ Single Board Computer (Air Cooled)



Power and Flexibility

The Orion VME7555 single board computer (SBC) is a flexible, rugged, high-performance PowerPC™ SBC for VME64x ideally suited for a variety of applications.

The VME7555 features the power of 1, 2 or 4 Freescale 7457 PowerPC™ processors each running at 1GHz. The VME7555 offers an unparalleled complement of I/O and can be adapted to almost any Military, Industrial or Commercial application.

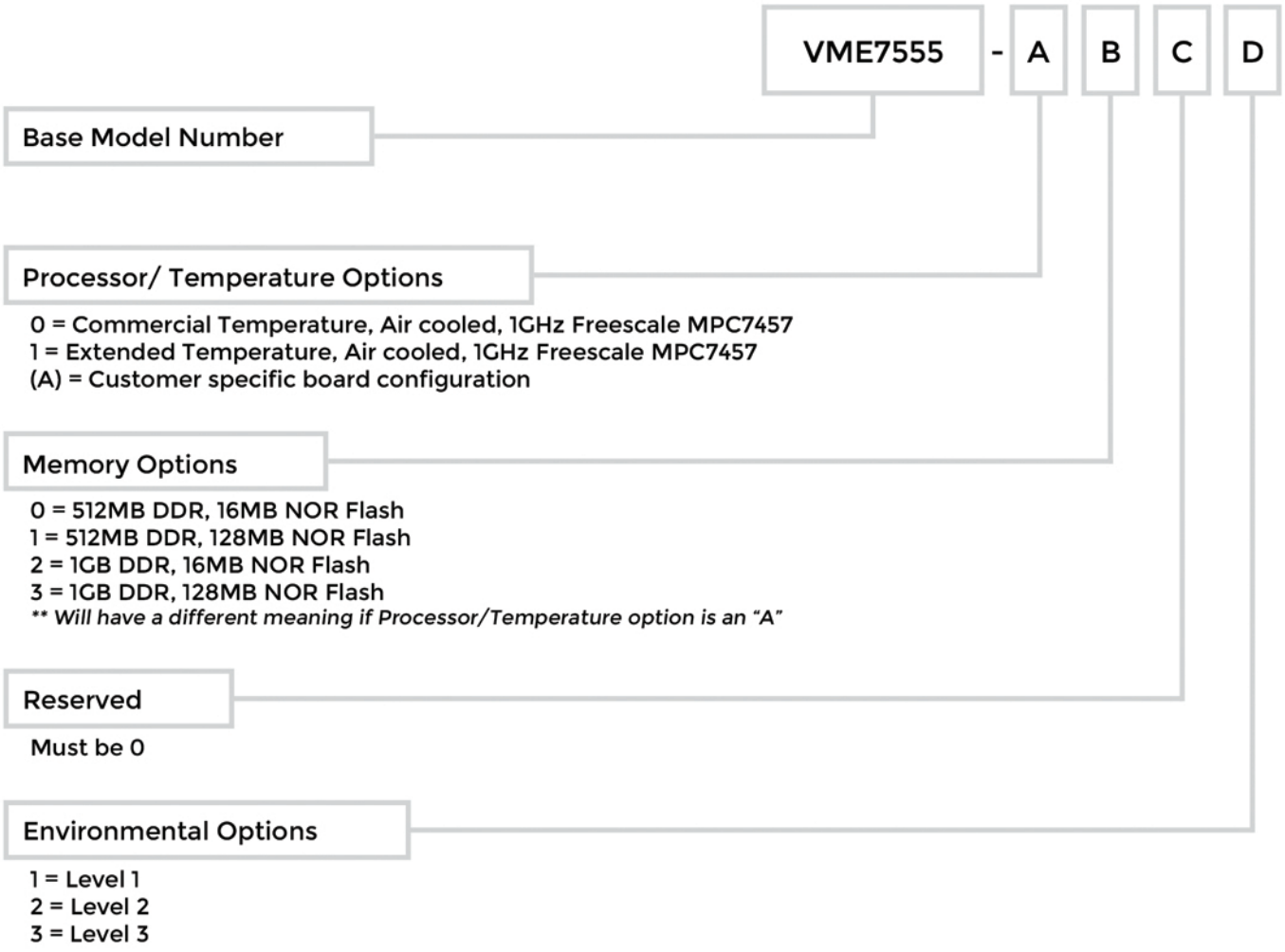
The VME7555's Gb Ethernet ports, six serial ports, sixteen GPIO, Firewire and PMC P14 I/O are all accessible through VME connectors P0 and P2.

The ability to automatically detect whether to function as a high-performance system controller or an intelligent peripheral card allows the user to migrate from one application to another without hardware reconfiguration.

Features

- PowerPC™ Freescale MC7457 at 1GHz
- 512KB L2 and optional 2MB L3 Cache per Processor
- Single, Dual or Quad Processor options
- Extended Temperature and Rugged design
- On-board temperature monitoring
- 53.5W typical power dissipation (quad)
- 1GB soldered DDR SDRAM with ECC
- On-board Compact Flash
- VME64x bus A32/D64 (Universe II)
- 64-bit/ 133MHz PCI-X PMC slot (PrPMC) with 64-bits of Customer Configurable PMC I/O
- Three 10/100/1000 Ethernet ports
- Two RS-422/485 Serial ports
- Four additional configurable Serial ports
- Sixteen General Purpose I/O
- 512KB NVRAM
- PMC front panel and P14 Rear I/O
- Auto detects system or peripheral functionality
- Real time clock and watch dog timer
- COP/ JTAG Debug headers for each CPU
- Single-slot 6U
- Various Board Support Packages (BSP's) available including Linux, Wind River VxWorks
- 128MB NOR Flash

Options Guide

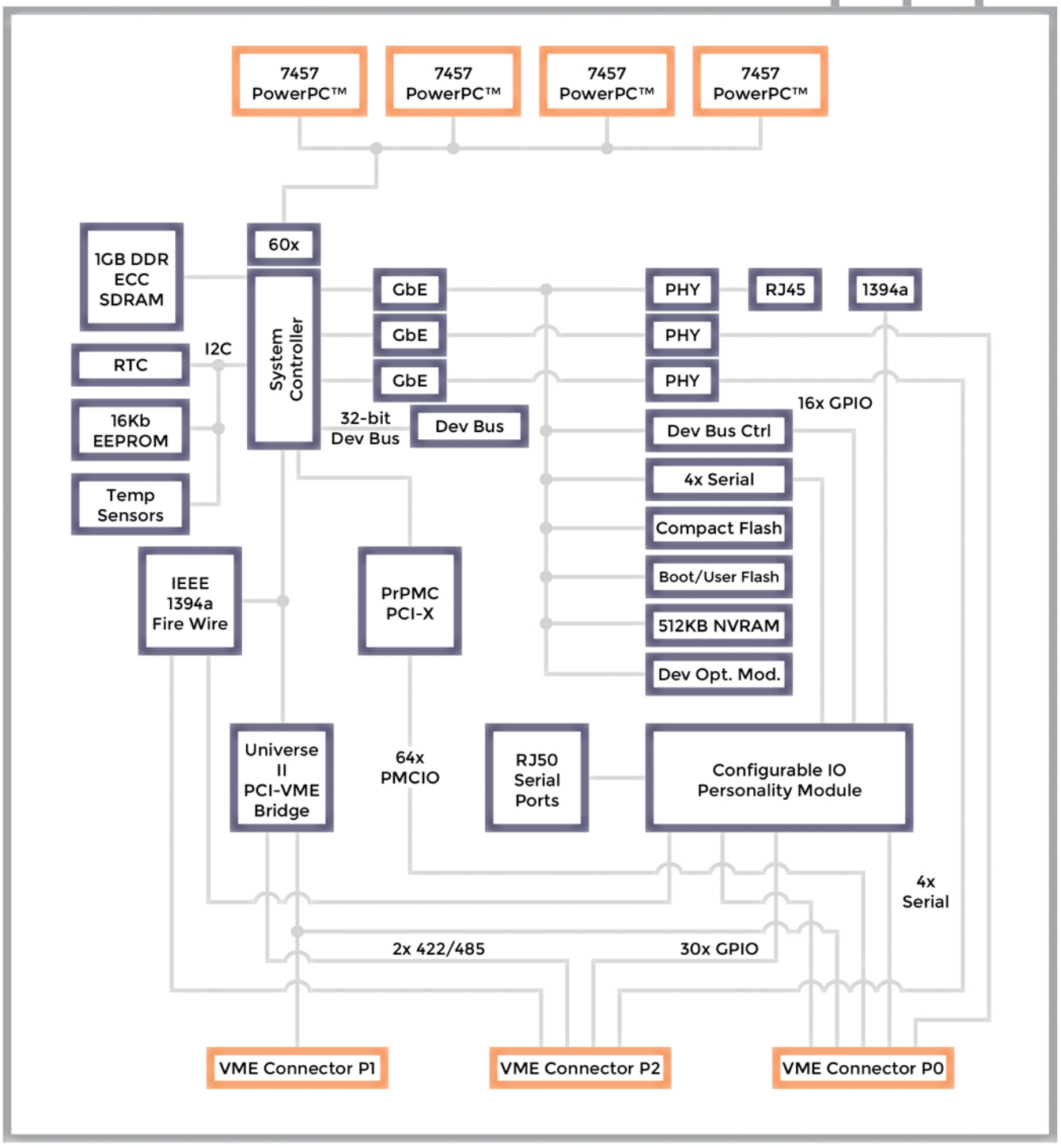


Orion has successfully generated products utilizing an extensive assortment of microprocessors since 1990. Our single board computer product offering includes both custom and standard form factors such as VPX, VME, Compact PCI, XMC and PMC. The majority of our products are offered in five ruggedization levels from standard commercial to rugged, extended temperature with conduction cooling. At Orion, we put the customer at the center of our business. We strive to provide the highest quality of products backed by our exceptional service and support.

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

VME7555



Inc. 5000

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Extend the life of your critical industrial, commercial, and military systems with our superior service and support.

We buy equipment

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Visit us at **artisantg.com** for more info on price quotes, drivers, technical specifications, manuals, and documentation.

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