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We buy your excess, underutilized, and idle equipment
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Custom engineering
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Find the *Curtiss-Wright DMV-1901-1804* at our website: *Click HERE*



Fact Sheet

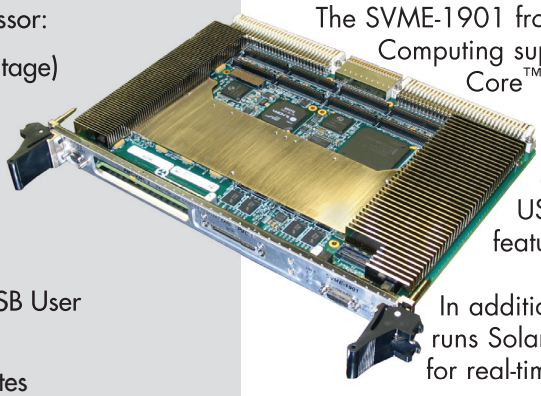
SVME/DMV-1901

6U VME Intel® Core™2 Duo Single Board Computer

Intel® Embedded and Communications Alliance Affiliate

- Intel® Core™2 Duo Processor:
  - 1.5GHz (ultra low voltage)
  - Dual-core CPU
  - 4MB L2 Advanced Transfer Cache
- Up to 4GB ECC DDR2 SDRAM
- 4GB or 8GB on-board USB User Flash
- (2) PCIx 133MHz PMC sites
- (1) 4-lane PCI Express® (PCIe) XMC site
- Optional ATI Radeon Graphics on-board with 8-lane PCIe, Dual Display
- 2GbE Ports
- Additional I/O includes:

  (3) USB ports, (5) COM ports, (2) SATA ports, AC97 Audio, (8) GPIO lines, (2) PS/2 ports
- Optional VME320 2eSST Interface
- Ruggedized, available as air- and conduction-cooled
- Windows® XPe, Wind River® Linux®, Solaris® 10, VxWorks® 6.x, or LynxOS® SE BSPs
  - Support for VxWorks® 6.x for real-time applications is now shipping
- Supports 2x RS-232 & 3x RS-422 ports



The SVME-1901 from Curtiss-Wright Controls Embedded Computing supports one Intel® Core™2 Processor. With a Core™2 Duo processor the SVME-1901 acts as a dual CPU 6U VME64x air-cooled board built to meet the diverse needs of the evolving embedded community. With the addition of a SATA, or USB hard drive, the SVME-1901 becomes a full-featured computing platform.

In addition to running Windows® XPe, the SVME-1901 runs Solaris® 10, Wind River® Linux® and VxWorks® 6.x for real-time operating systems.

The SVME-1901 is designed for both benign and rugged air-cooled systems. It has support for a clock calendar and NVRAM from a system supplied battery backup and/or on-board capacitor. A user programmable operating frequency allows dynamic, user controlled power consumption adjustment.

The SVME-1901 supports extensive I/O on the faceplate including Video and Graphics. Optional dual video displays are supported with rear I/O configurations.

The SVME-1901 is designed for embedded systems concerned with performance per watt. It also supports those users that desire the Windows® XPe operating system for legacy, driver, or development reasons.

The SVME-1901 is an ideal solution for those systems that require the Solaris® 10 operating system.

Learn More
Sales Info: sales.cwcembedded.com
Sales Email: sales@cwcembedded.com

ABOVE & BEYOND

Please note:
All hardware features may not be supported by all operating systems.
Contact Curtiss-Wright for details and release schedules.

CURTISS WRIGHT Controls Embedded Computing
cwcembedded.com

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Fact Sheet

SVME/DMV-1901

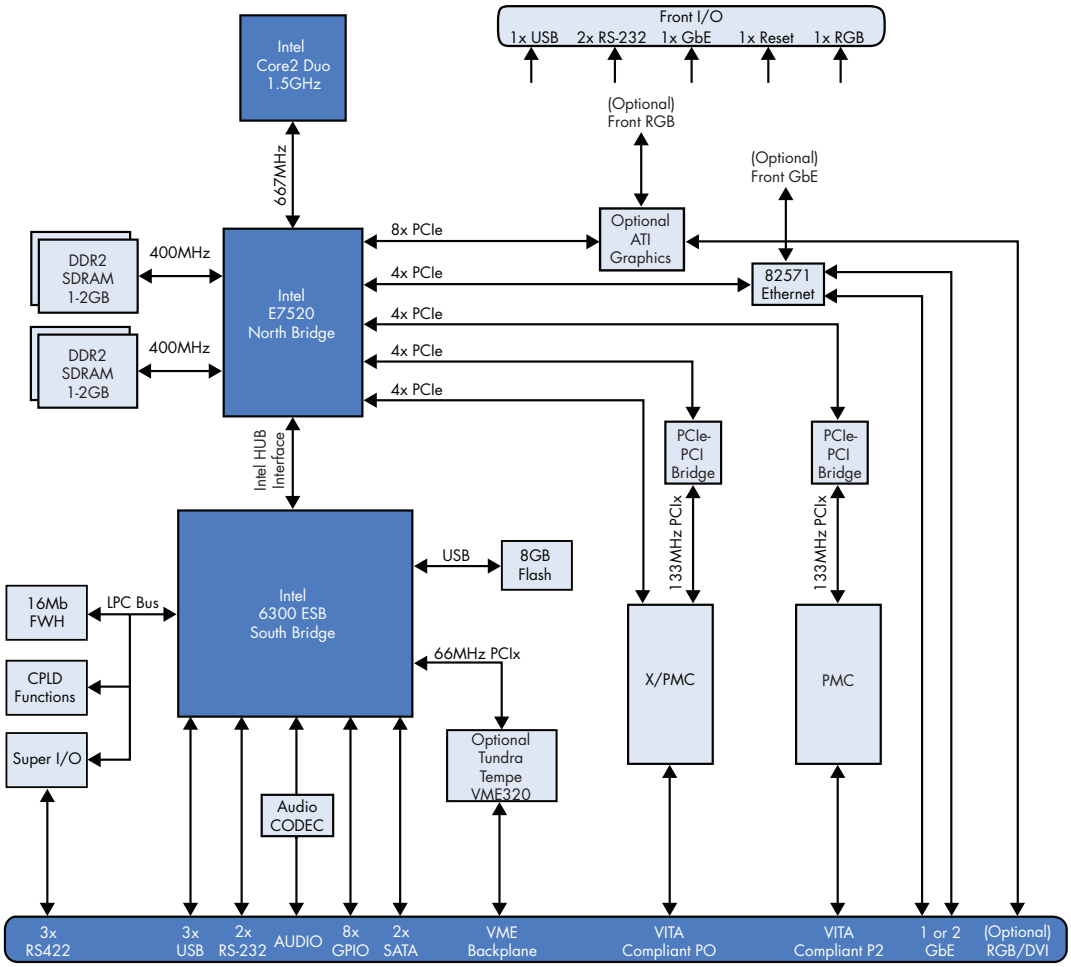
Features

- Intel® Core™2 Duo Processor 1.5GHz
- 4MB L2 Advanced Transfer Cache
- Up to 4GB DDR2-400 SDRAM with ECC
- 4 or 8GB flash, appears as USB drive
- Intel® Lindenhurst 7520 North Bridge
- Intel® 6300ESB I/O Controller Hub (ICH)
- VME 320 2eSST Tempe Interface
- Single-slot, 6U board with (2) PCIx 133MHz PMC sites, (1) 4-lane PCIe XMC site
- Windows® XPe, Solaris® 10, VxWorks® 6.x, Wind River® Linux®, or LynxOS® SE
- Supports 2x RS-232 & 3x RS-422 ports

I/O Interfaces

- (2) 10/100/1000 Ethernet ports
- (3) USB 2.0 ports, (2) PS/2 ports
- (5) COM ports – (2x RS-232, 3x RS-422)
- (2) SATA ports
- (8) General Purpose I/O (GPIO)
- (2) Video Graphics Ports, (1) RGB, (1) DVI
- AC'97 Audio Port
- Power: <40W
- Air- or conduction-cooled
- SCSI320 support is available on select ruggedization levels
  - Please contact Curtiss-Wright Controls sales for details

Figure 1: SVME/DMV-1901 Block Diagram



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Artisan Technology Group is an independent supplier of quality pre-owned equipment

Gold-standard solutions

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

We buy equipment

Planning to upgrade your current equipment? Have surplus equipment taking up shelf space? We'll give it a new home.

Learn more!

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

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We're here to make your life easier. How can we help you today?

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