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Find the *Abaco Systems / Radstone PPC4-750-1000B* at our website: ***Click HERE***

RADSTONE

PPC4A

PowerPC based, High Performance Single Board Computers

- PowerPC 750 & 7400 with AltiVec to 400MHz & beyond
- Extensive memory bandwidth (sustainable memory transfer rates of 296Mbytes/sec)
- PReP Architecture
- 5 Air & Conduction Cooled Ruggedization levels
- Standard Features - 2Mbytes L2 Cache with private L2 Bus (1Mbyte for 750 version), 16Mbytes 64bit wide FLASH, 64 to 256Mbytes SDRAM, 512kBytes User E2PROM, 10/100BaseT or 10Base5 Ethernet, Ultra SCSI, Mouse/Keyboard /Floppy/Parallel/4 x Serial Ports, 5 row VME64 & Type A or B P0 Connectors, 2 PMC Expansion Slots, PMC Carrier Cards with up to 9 PMCs
- Radstone BIT & SilverChip Firmware
- BSPs & ESPs for - VxWorks/Tornado, LynxOS, RTEMS, SPECTRA
- SW Maintenance Support
- HW & SW Configuration Management

The PPC4A COTS 6U VME64 Single Board Computers (SBCs) offer the very latest, high performance, PowerPC processors combined with the same rich feature set of the PowerPC Reference Platform (PReP) architecture Radstone introduced on VME in 1995.

The PPC4A is available with either the MPC750 processor or the MPC7400 processor, the latter having provided a quantum leap in processing performance through its innovative AltiVec technology. To support this, PPC4 utilises SDRAM for maximum speed, operating on a fast 83.3MHz processor-memory bus yielding a sustainable memory transfer rate of 296Mbytes/sec.

5 Ruggedization levels in both Air and Conduction Cooled form factors, make PPC4A the clear choice for Systems Integrators and Defense OEMs serving the market for leading edge Naval, Land Based and Airborne embedded computing platforms.

Choose the PowerPC 750 clocked at 266MHz or higher, or the 7400 clocked at 350MHz or higher, to satisfy your most demanding performance requirements while maintaining form, fit and function compatibility with previous generations of Radstone PowerPC SBCs.

Radstone protects your investment in application software by maintaining a standard functional envelope with a clear performance upgrade path enabling technology insertion and maximum hardware and software component reuse across multiple applications and programs.

Software support includes Radstone Built-In-Test (BIT) and SilverChip firmware as well as Board Support Packages (BSPs) and Enhanced Support Packages (ESPs) for VxWorks/Tornado from WindRiver Systems and LynxOS from Lynx Real Time Systems. Third party OS support is also available for RTEMS from OAR Corp., and SPECTRA/VRTX from Microtech Research.

Detailed Product information - PPC4A.pdf

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