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Find the *RadiSys EPC-5A* at our website: ***Click HERE***

1. Product Description

The EPC-5 is a PC/AT compatible embedded CPU module containing the following:

- 25 or 33 MHz Intel486 DX or a 66 MHz Intel486 DX2 processor
- 8 Kbytes of cache and math co-processor on-chip
- 4, 8, 16 or 32 MBytes of DRAM memory
- Keyboard interface
- 2 standard 9-pin DTE serial ports (COM1 & COM2)
- 1 standard parallel port (LPT1)
- Time-of-day clock with user-replaceable battery
- Award 486 BIOS with extensions for a SCSI device driver
- VMEbus interface
- EXM expansion interface

The EPC-5 form factor has been designed to the VMEbus specification (6U). It provides direct VMEbus communication to all three VMEbus address spaces (A32, A24, & A16). The EPC-5 DRAM has dual-ported access from both the PC side and the VME side.

The EXM expansion interface is electrically similar to the 16-bit PC/AT ISA bus. Video is provided through an add-in card called an EXM (Expansion module). Mass storage can be added via a Mass Storage module (EXP-MS/MX) inside the VME chassis or externally via other EXMs that provide SCSI or IDE interfaces. Many other EXMs are available to provide additional peripherals such as: additional serial ports (RS232 or RS422), internal modem, Flash EPROM memory, Timer/Counter, PCMCIA adapter and Ethernet controllers. Also, an adapter module (EXP-AM) can be used to install a single 8-bit PC add-in short card.

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Specifications

Environmental				
Temperature	operating	0° to 60° C		
	storage	-40° to 125° C		
Humidity	operating	0 - 95% (non-condensing)		
	storage	0 - 95% (non-condensing)		
Vibration	operating	.015"PP 2.5g (max) 5-2000 Hz		
	storage	.030"PP 5g (max) 5-2000 Hz		
Shock	operating	30g 11 msec duration		
	storage	50g 11 msec duration		
Electrical				
		+5V	+12V	-12V
25 MHz - DX	maximum	5.4 A	100 mA	100 mA
	typical	4.4 A	100 mA	100 mA
33 MHz - DX	maximum	5.9 A	100 mA	100 mA
	typical	4.8 A	100 mA	100 mA
66 MHz - DX2	maximum	6.2 A	100 mA	100 mA
	typical	5.1 A	100 mA	100 mA

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