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7 Slot 64-bit/33MHz PMC-to-PCI Expansion System

Add Seven PCI Slots to your Single Board Computer through PMC

The PMC-to-PCI Expansion System is an ideal solution to transparently add multiple PCI slots through a PCI Mezzanine Card (PMC).

- **Cost effectively add PCI Cards**

  Seven 64-bit/33MHz (64/33) PCI slots increase the functionality of your VME single board computer through a PCI Mezzanine Card (PMC), reducing capital outlay for single board VME computers that do not provide PCI slots

- **The lifeline**

  – MAGMA's patented PCI Expansion Technology is incorporated into a universal standard PCI Mezzanine Card (PMC) card which extends the PCI Bus outside the VME computer

  – Our 1- and 1.5-meter flexible cable provides a high-speed communication link from your computer to our PCI Expansion System

- **Multiple power options**

  A 300 Watt AC power supply is standard; a 400 Watt AC or 300 Watt redundant power supply is optional

- **Stay cool**

  A quiet fan provides optimal cooling to your cards and disk drives within the ventilated enclosure

- **Save your work**

  Optional drive bays are available to accommodate up to eight internal 3.5" disk drives, eliminating the need for an external disk drive enclosure

- **Easy installation**

  Install MAGMA PMC host interface card using any available PMC connectors on your VME computer, connect the cables, add your PCI cards and power up; no driver is required.

- **Universal PMC host interface card**

  Works in VMEbus computers that use either 5 volt or 3.3 volt signaling

- **And much, much, more**

  – Available in Rack-mount or cost-effective Tower enclosure

  – Non-Enclosed Board Sets are available for OEMs and System Integrators

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MOBILITY ELECTRONICS, INC.

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7 Slot 64-bit/33MHz PMC-to-PCI Expansion System

Unique Applications Require Innovative Solutions

Sure, many users are satisfied with the limited number of PCI slots that are available in most computers. However, there are numerous performance and functionality hungry professionals, like you, in many industries that simply need more PCI slots than a typical computer provides. Even with the introduction of more robust desktop computers and servers, the need for increased functionality of high-bandwidth applications has still not been satisfied. If you have a powerful application that requires the use of several PCI cards, increase the number of PCI slots in your system with a MAGMA PCI Expansion System.

MAGMA's patented 7 Slot 64-bit/33MHz PMC-to-PCI Expansion System accommodates seven full-length 32-bit or 64-bit PCI cards in a separate enclosure (rack-mount or tower) that connects to a VME computer through an available PMC slot. With MAGMA's patented PCI Expansion Technology, everything installed in the enclosure actually acts as if it's inside the host computer. This is accomplished by the expansion system communicating to the host via a 1 or 1.5- meter cable and a 'universal' PMC host interface card providing up to a 264MB/second data transfer rate between the host computer and the hardware within the expansion chassis.

Common applications benefiting from Magma's PMC-to-PCI Expansion Systems include: Military, Telecommunications, and Embedded Systems Processing.

How to Buy

All MAGMA products can be purchased factory direct or through a reseller. A list of resellers is available at www.magma.com.

7 Slot 64/33 Model Numbers:

PMC7T64:	7 Slot PMC 64/33 Tower enclosure with 300W PS
PMC7R64:	7 Slot PMC 64/33 Rack-mount enclosure with 300W PS
PMC7R464:	7 Slot PMC 64/33 Rack-mount enclosure with 400W PS
PMC7RR64:	7 Slot PMC 64/33 Rack-mount enclosure with redundant 300W PS

For OEMs, we offer Non-Enclosed PCI Expansion Board Sets. You provide the enclosure and power supply, we provide the patented MAGMA PCI Expansion Technology.

Contact Information:
Mobility Electronics, Inc.
9918 Via Pasar
San Diego, CA 92126

Toll-free: (800) 285-8990
Phone: (858) 530-2511
Fax: (858) 530-2733

Email: sales@magma.com
www.magma.com

General Specifications

Backplane	Seven standard PCI slots (64-bit/33MHz)
Standard Expansion Cable Length	1 meter (1.5 meter is optional)
PCI Local Bus Specification	Revision 2.2
PCI Bridge Architecture Specification	Revision 1.2
PMC Specification	IEEE Std 1386-2001
Interconnect Bandwidth	264MB/sec (theoretical max. of PCI 64/33)
MTBF	53,000 hours
Operating Environment	0º to 50º C Operating Temperature, -20º to 60º C Storage Temperature , 5% to 85% Relative Humidity, Non-condensing
Supported Operating Systems	Win XP, Win 2000, Win NT, Win ME, Win 98SE, Mac OS X (version 10.2.2+), Mac OS 9.x, Red Hat Linux 9 and Solaris 9

Rack-mount Specifications

Enclosure	4U rack-mount (all steel)
Dimensions	19 x 7 x 17.7" (48.26 x 17.78 x 44.96cm)
Weight	24lbs (11.80kg)
Cooling	One 70-105 CFM fan (removable/cleanable air filter)
Power Supply	300W (auto-switching AC) is standard. 400W (auto-switching), and Hot-swappable 300W (redundant) with audible alarm reset are optional
Available Options	Disk Drive Bays for up to eight 3.5" internal disk drives (PN: RDRIVECAGE) and 18" Rack-mount Slide Kit (PN: RSLIDES)

Tower Specifications

Enclosure	ATX Mid-Tower (steel chassis with plastic front panel)
Dimensions	7 x 18.1 x 17.3" (17.78 x 45.97 x 43.94cm)
Weight	22lbs (10kg)
Cooling	One 35 CFM high volume fan
Disk Drive Bays	For three 5.25" external, one 3.5" external, and three 3.5" internal
Power Supply	300W (auto-switching AC)

Requirements

VMC computer with one available PMC slot. The expansion system can perform as fast as the host PMC slot up to 64-bit/33MHz.

Certifications & Warranties

- FCC Class A Verified
- UL Recognized
- CE Certified
- 30-Day-Money-Back Guarantee
- 1 Year Return to Factory Warranty

Compatibility

For the most up-to-date compatibility information, please visit www.magma.com

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