

PCI Expansion



1 Slot

Adds (1) 32-bit/33MHz PCI slot

- Connects to notebook through CardBus (PC Card) slot
- Two enclosure options: full- or half-length
 - Full-length accommodates 12.35" or shorter PCI card
 - Half-length accommodates 6.95" or shorter PCI card
- 12-volt DC power supply (external AC power brick included)
- 2.5 lb. black metal enclosure



2 Slot

Adds (2) 32-bit or 64-bit/33MHz PCI slots

- Connects to notebook through CardBus (PC Card) slot
- Accommodates (2) full- or half-length 32-bit or 64-bit PCI cards
- Drive brackets for two internal disk drives
- AC or DC-ready power supply
- 5.3 lb. black metal enclosure



4 Slot

Adds (4) 32-bit/33MHz PCI slots

- Connects to desktop computers and servers through PCI host interface card
- Connects to notebook through CardBus (PC Card) slot
- Accommodates (4) full- or half-length PCI cards
- Drive brackets for one front accessible 5.25" drive and two internal 3.5" drives
- 235W (Quiet) or 300W quiet power supply
- 9 lb. rack-mountable (2U) metal enclosure



7 Slot

Adds (7) 32-bit/33MHz, 64-bit/33MHz, or 64-bit/66MHz PCI slots

- Connects to desktop computers and servers through PCI host interface card
- Accommodates (7) full or half-length PCI cards
- 275W (Quiet), 300W, 300W redundant, or 400W power supply
- 24 lb. black rack-mount (4U) enclosure
 - Optional drive bays for up to eight internal disk drives
 - Optional rack-slide kit
- 22 lb. beige mid-tower enclosure
 - Three front accessible 5.25" drive bays and
 - Three internal 3.5" drive bays



13 Slot

Adds (13) 32-bit/33MHz PCI slots

- Connects to desktop computers and servers through PCI host interface card
- Accommodates (13) full or half-length PCI cards
- 300W or 400W power supply
- Optional drive bays for up to four internal disk drives
- Optional rack-slide kit
- 24 lb. black rack-mount (4U) enclosure

PCI Expansion

What is PCI Expansion?

The PCI Bus (short for Peripheral Component Interconnect) has become the standard I/O bus on every modern personal computer, and simply put, one of the most successful bus standards ever developed. Because of this success, the proliferation of adding PCI cards to a computer to enable a variety of PCI-based applications has been nothing short of explosive. Even with the introduction of more robust computers, the need for increased functionality of high-bandwidth applications has still not been satisfied. As a result, the demand for additional PCI slots for increased functionality has followed the tremendous growth of PCI card usage.

In response, MAGMA has developed and patented products called PCI Expansion Systems. PCI Expansion Systems allow you to extend, or expand, the PCI bus outside of a host computer to a remote location, computer or device. The remote computer or device communicates with, and receives the PCI bus signal from the host computer, and acts as if it's an extended part of the host computer. These systems allow users (and OEMs) of PCI-based applications to increase the functionality of their host computers in two fundamental ways:

- Our PCI-to-PCI Expansion Systems add PCI slots and drive bays in a separate enclosure (rack-mount or tower) to PCI-based servers or desktop computers, allowing users to get more PCI functionality out of a single host machine. Utilizing patented PCI Expansion Technology, everything installed in the enclosure actually acts as if it's inside the host computer. This is accomplished by the system communicating to the host via a high-speed link...providing high data transfer rates between the host computer and the hardware within the expansion system. Simply connect our PCI card into an available PCI slot in your host server or desktop, and our system transparently adds four to thirteen PCI slots and drive bays to your host machine.
- Our CardBus-to-PCI Expansion Systems provide PCI slots in a separate enclosure that connects to a PC Notebook or Apple PowerBook (which do not have built-in PCI slots) through a 32-bit CardBus slot. With MAGMA's patented PCI Expansion Technology, everything installed in the enclosure actually acts as if it's inside the notebook. Simply connect our CardBus card into your notebook, and our system transparently adds one to four PCI slots and drive bays to your host computer. CardBus-to-PCI Expansion Systems eliminate the need for a desktop or stationary computer, and provide mobility to demanding professionals in numerous markets...even for their most challenging applications.

Common Applications

Applications benefiting from MAGMA's PCI Expansion Systems include:

- Storage (SAN, NAS)
- Military
- Computer-Based Telephony
- Audio Editing/ Production
- Video Editing/Production
- Test & Measurement
- Medical Imaging
- Industrial Automation/Control

Specifications

Standards & Options

All systems include the following:

- Host interface card (PCI or CardBus)
- 1 meter cable (1.5 meter is optional) or 3 meter cable for 64/66 models
- Expansion backplane, enclosure & power supply

Supported Operating Systems

- Windows XP/2000/NT/ME/98SE
- Mac OS X/OS 9.x
- Solaris
- RedHat Linux 9

System Requirements

- Any PCI-based host computer with an available PCI slot
- Most PC notebooks and Apple PowerBooks with a CardBus (PC Card) slot

Compatibility

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

Certifications & Warranties

- CE Certified
- FCC Class A Verified