



## Expandable Media Technology



The **Huge Systems RaIDE Cart** combines the best features of disk and tape in desktop mini-tower. The **RaIDE Cart** has four removable cartridges that allow media to be easily stored or transported to another location. Each cartridge holds up to 100 Gigabytes of "off the shelf" IDE disk storage.

The **RaIDE Cart** has multiple uses. Use a single cartridge to edit DV material. Dual cartridges will handle multi-stream DV or a single uncompressed stream. Four cartridges will handle multiple uncompressed streams. The **RaIDE Cart** will grow with you as your projects and editing equipment change.

Already have all the storage you need? How about backup? The **RaIDE Cart** is less expensive than most tape drives, much more reliable, and much higher performance. A single cartridge can back up data at over 40MB/Second, and four cartridges can backup data at over 80MB/Second. Think tape is less expensive? It's not! IDE disk drives now cost less per GB than tape cartridges! The street price for a 100GB IDE drive is about \$230, or \$2.30 per GB. A 20 GB DLT tape cartridge costs about \$60, or \$3.00 per GB. IDE disk storage actually costs less per GB than tape!

Chances are, you'll use the **RaIDE Cart** for both storage and backup. It's great low cost storage for editing video and audio, and the removable cartridges make it perfect for backup and archival. Unlike tape, there's no need for a lengthy "restore" operation. And, it's "future proof". As drive prices come down, you can take advantage of the latest generation as soon as it's available. Bigger drives, lower cost, higher performance for years to come. That's the benefit of the **RaIDE Cart**.

### Features:

- Works with **Mac, Win/PC, SGI, Sun, HP** and any other system that support SCSI
- **Bandwidth is Expandable** from 40MB/Second to 80MB/Second
- **Storage is Expandable** from 20GB to 400GB (more capacity will become available as larger drives are introduced)
- Uses standard **low cost IDE** drives
- **Faster** than and **Less Expensive** than Tape
- **No Tape** Restore Required!

### Operational Information:

The **RaIDE Cart** connects to your computer with a SCSI U3 cable. It's compatible with all the major SCSI HBA (Host Bus Adapter) providers, and peacefully coexists with your existing storage. Each cartridge holds a single IDE disk drive, has a key to lock it into place, and a handle to extract it. Each cartridge also has two LEDs, indicating power status and activity.

The **RaIDE Cart** is easily expandable from 1 to 4 drives. When you change the number of drives the system automatically stripes your data across all available drives.

The enclosure front panel has a power button, and five LEDs that indicate system operation. The enclosure rear panel has a SCSI ID switch, and a DB-9 serial port for diagnostics. Also, it has two 68 pin SCSI High Density connectors, and a standard power receptacle (in and out for easy daisy chaining). Two large fans provide ample cooling.

Internally, the **RaIDE Cart** has a hefty 200 watt power supply, and a powerful hardware RAID0 controller. It is capable of moving data to and from the host computer at 160MB/Second. It has four separate IDE busses than can move data at 100MB/Second each, for a combined bandwidth of 400MB/Second internally.

The **RaIDE Cart** has been tested with drives from multiple vendors, including Seagate, Western Digital, IBM, Maxtor and Samsung (All drives must support UDMA/66 or UDMA/100).

### Notes:

- All **RaIDE Carts** use 1-4 disks
- All **RaIDE Carts** include 1 Ultra 160 SCSI controller for a data transfer rate of 160MB/sec burst 40-80 MB/sec sustained.
- **RaIDE Cart** performance is based on the number of disks that are striped across (40 mb/sec for a single drive, 80 MB/sec for a 4 drive system).



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# RaIDE Cart System Configurations

## RaIDE Cart Configurations and Storage Capacity

Model	Capacity	Model	Capacity
RaIDE-Cart-000	000 GB	RaIDE-Cart-100	100 GB
RaIDE-Cart-200	200 GB	RaIDE-Cart-300	300 GB
RaIDE-Cart-400	400 GB	100 GB Expansion Disk	100 GB

### Supported Video Boards:

Accom Affinity, StrataSphere, WSD/HD  
Aurora Ingniter (uncompressed)  
Avid Media Composer, Symphony/AV/Lite  
DPS dpsReality, dpsReality HD, dpsVelocity, Hollywood  
DVS ClipstationPRO, HDStationPRO  
FAST silver  
Matrox DigiSuite, DigiSuite DTV, DigiSuite LE/LX  
Media100 iFinish,i/xs, xs, xr  
NewTek Video Toaster NT  
Pinnacle ReelTime/NITRO, CineWave, DC2000, TARGA 2000/3000  
SGI O2, Octane, 330/550 NT  
Sonic Solutions DVD Creator  
Viewgraphics Hdstore, VideoPump HD/SD

### Software compatibility:

Adobe Premiere RT, Final Cut Pro  
Avid Media Composer, Symphony, Xpress  
Discreet edit\*, combustion  
IMC Incite  
In-sync SpeedRazor  
Ulead MediaStudio Pro  
United Media On-line Express

### SCSI Adaptor Compatibility:

Adaptec 29160,39160  
Atto ExpressPCI UL3S/UL3D  
Inito INI-A100U2W  
Qlogic 1216D  
LSI Logic SYM8953 / 8955U / 22910 / 22915

### Supported Operating Systems:

Windows NT, 2000, Millennium, MacOS 8.2 or higher, SGI IRIX



### Kit Contents: RaIDE Cart

1-4 disk drives and removable drive sleds  
1 integrated Ultra 160 SCSI controller  
200-Watt universal power supply  
1 1 meter high-density 68 pin to HD 68 pin SCSI cable  
1 LVD Ultra 160 SCSI terminator  
1 Power cord, Installation guide, 1 Serial diagnostic cable

### Minimum Host Requirements:

#### Wintel PC

Pentium II III, Windows NT, 2000, Millennium  
Single or dual channel Ultra 160 SCSI adaptor

#### Macintosh

MacOS 8.2 or higher  
Single or dual channel Ultra 160 SCSI adaptor

#### SGI

O2, Octane, 330,550 NT, with IRIX, Windows NT  
Single or dual channel Ultra 160 SCSI adaptor

**Physical Dimensions:** 7 1/2" wide X 11" high X 17 1/4" deep

**Weight:** Single channel (4 drives): 26 lbs

**Connections:** Host 68 pin HD SCSI , Disk Chassis 68 pin HD SCSI

### Power Supply:

90-230 VAC, 50/60 auto switching  
Current Draw (Single Ch.): 115VAC Start-up 1 A  
Read/Write/Seek: .4 A  
200 W maximum

### Operating temperature:

5-40 degrees Celsius

### Support:

Unlimited telephone support  
48-hour replacement policy ( X shipment )

### Warranty:

3 years parts and system replacement

### Options:

- Additional 100 GB Expansion Drives and Drive Sleds may be purchased from Huge Systems dealers and resellers.  
- Individual Drive Sled Trays are also available for those who want to add their own expansion disks.



**Call:**

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