→ DataPak 45 & 88

45MB & 88MB REMOVABLE CARTRIDGE DRIVES

DataPak™ – voted the best by the industry's critics, it's still the first family of removable cartridge drives for the Macintosh.

With today's large applications and massive data files you need a system that grows with you, and megabyte for megabyte DataPak is your best value for a wide range of applications:

- ♦ Desktop Publishing
- ♦ Graphic Arts
- ♦ Databases
- ♦ Archival & Backup Storage
- ♦ Multimedia Presentations
- ♦ CAD/CAM

Low Cost Expandability & Backup

With either 45 or 88 Megabytes on each removable DataCart cartridge, DataPak drives are a cost effective way to add capacity and backup your data. Instead of buying another costly hard drive, just add another cartridge at a fraction of the cost.

High Performance

DataPak drives are actually faster than many fixed drives with their 20 ms access time, 1:1 interleave, and up to 32K buffer.

Available in a variety of configurations. DataPak drives offer an incredible 45MB or 88MB of storage on a single removable cartridge.

Feature-Packed Design

Designed with the highest quality components, DataPak drives offer features that insure easy-to-use, safe, and dependable operation:

- ♦ All drive components UL approved
- ♦ High capacity cooling fan
- ♦ FCC Class B certification
- ♦ External push button SCSI ID selection
- ♦ Filtered power input
- ♦ Two surge-protected AC outlets *(110V only)*
- ♦ 50-pin SCSI connections
- ♦ External termination
- ♦ 24-hour burn-in
- ♦ System 7.0 compatibility

Portability and Security

Our PadLok™ software provides password protection and volume partitioning. And because DataCart cartridges are removable, you can take them with you or lock them up for ultimate security.

Selection

Choose from among three models to match your system's footprint. Available in both single and dual drive configurations.

Backed by MASS Microsystems

Recognized worldwide for award-winning removable storage systems, MASS Microsystems backs every DataPak drive with a **full two year warranty** and an 800 Technical Support line.

Award-Winning Quality

MASS Microsystems' DataPak family is recognized worldwide for its high standards of quality. It's the only product of its kind to win four major industry awards for outstanding quality and performance.

"Best New Storage System   *-MacUser 1989*
"Best Alternative Storage System"
                              -MacWorld 1989, 1990
"Best New Hardware Peripheral"
                              -MacUser Europe 1988

FEATURES	BENEFITS
Removable 45MB or 88MB Cartridge	Infinitely expandable storage that can be locked away, distributed, and transported
Single and dual drive configurations in various Macintosh footprints	Flexible selection of models to meet your individual storage and ergonomic requirements
20 millisecond access time, 1:1 interleave, and up to 32K buffer	High speed hard disk performance to maximize productivity – 20% faster than other drives of like technology
Low cost DataCart cartridges	Huge cost savings when adding storage capacity
Mean Time Between Failures (MTBF) of 60,000 hours (power on)	Highly reliable drive mechanism reduces costly down time and repairs

* Increase your storage capacity up to 50% with DiskDoubler™ Data Compression Utility by Salient

FREE DiskDoubler bundled with all DataPaks*

MASS microsystems

IIc
DataPak 45 & 88

45MB & 88MB REMOVABLE CARTRIDGE DRIVES

MODELS AVAILABLE
45/88

DataPak / DataPak 88
(Plus/SE/Classic footprint)

DataPak or DataPak 88 (single)
DataPakduet or DataPak 88duet

DataPak IIc / DataPak 88 IIc
(IIcx, IIci footprint)

DataPak IIc or DataPak 88 IIc (single)

DataPak II / DataPak 88 II
(II, IIx, IIfx footprint)

DataPak II or DataPak 88 II (single)
DataPak IIduet or DataPak 88 IIduet

SPECIFICATIONS
45/88

Formatted Capacity (per cartridge)	*42.7 MB or 83.3 MB*
Access Time	
Track to Track	*8 ms*
Average	*20 ms*
Maximum	*42 ms*
Data Transfer Rate	
Asynchronous	*1.25 Mbytes/sec*
Synchronous	*4 Mbytes/sec*
Interleave	*1:1*
Buffer Size	*8K / 32K*
No. of Disks (per cartridge)	*1*
No. of Heads	*2*
Interface	*SCSI*
Reliability	
MTBF	*60,000 hrs (power on)*
Soft Error Rate	*1 in 10^{10} bits*
Hard Error Rate	*1 in 10^{12} bits*
Power Requirements	*110 VAC, 60 Hz, or 220 VAC, 50 Hz*
	22 watts (typ.), 28 watts (max.) [single drive]
Environmental Limits	
Operating	
Ambient Temperature	*41° – 122° F (5°– 50° C)*
Relative Humidity	*80% max.*
Non-Operating (Storage)	
Ambient Temperature	*14° – 140°F (-10°– 60° C)*
Humidity	*90% max*

Dimensions (HWD) & Weight

	single	duet
DataPak / DataPak 88	*3.25" x 9.75" x 9.75"* *(83 x 248 x 248 mm)* *5.7 lbs (2.6 kg)*	*4.5" x 9.75" x 9.75"* *(114 x 248 x 248 mm)* *9.9 lbs (4.5 kg)*
DataPak IIc / DataPak 88 IIc	*2.44" x 12.5" x 14.4"* *(62 x 318 x 365 mm)* *7.6 lbs (3.5 kg)*	
DataPak II / DataPak 88 II	*2.44" x 18.7" x 14.4"* *(62 x 475 x 365 mm)* *9.4 lbs (4.2 kg)*	*2.44" x 18.7" x 14.4"* *(62 x 475 x 365 mm)* *12.4 lbs (5.6 kg)*
DataCart (45 or 88)	*0.25" x 5.38" x 5.38"* *(6.4 x 137 x 137 mm)* *.5 lb (.23 kg)*	

PRODUCT PACKAGE

The DataPak product package includes:

- DataPak Drive (45 or 88)
- DataCart Removable Cartridge (45 or 88)
- SCSI System Cable and Power Cord
- SCSI Terminator (external)
- PadLok Utilities Disk
- User's Guide and Reference Manual
- DiskDoubler by Salient

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