



[HOME](#) [PRODUCTS](#) [PROMOS](#) [PRESS](#) [COMPANY INFO](#) [WHERE TO BUY](#) [TOOLS](#) [SUPPORT](#) [EMAIL THIS](#)



## PC CARD HARD DRIVES >>

### DataPak Portable PC Card Hard Drives

The DataPak is a removable, high-capacity PC Card Type II compliant hard disk drive. The DataPak is specifically designed for increased storage capacity and portability for today's popular computer systems and digital devices.



The DataPak, which fits into any Type II PC Card slot, is available in a 5GB and 2GB uncompressed, formatted storage capacity.

| Kingston P/N | Description                    |
|--------------|--------------------------------|
| DP-PCM2/2GB  | 2GB PC Card Type II Hard Drive |
| DP-PCM2/5GB  | 5GB PC Card Type II Hard Drive |

For Special Bundle With **FREE** ATA Reader, [click here](#)

**Note:** Some devices may not support all of the options listed. Always consult your owner's manual for supported configurations.

Kingston's DataPak PC Card hard drive supports PC-based operating systems such as Microsoft Windows®, Windows® 95, Windows NT®, Windows® 2000, Windows® ME and Apple Mac OS computers that comply to the Personal Computer Memory Card International Association (PCMCIA) PC Card Standard. The PC Card Standard defines the physical socket dimensions and pin-out for the PC Card connectors.

- Up to five gigabyte (5GB) of uncompressed and formatted storage capacity in 1.8" form factor
- Specifically designed for the requirements of PCMCIA Type II PC Card
- Compatible with both PC and Macintosh operating environments
- Dimensions of .197" high, 2.126" wide and 3.37" long (5.0mm x 54mm x 85.6mm)
- Rugged design to endure up to 200G operating and 1000G non-operating shock
- Optimum power management for longer system battery life
- Hot Swap capability enables users to switch to other DataPak or PC Card peripherals without powering down or rebooting the system
- Up to 120Mb per second transfer rate
- Compatible with conventional disk compression utilities to



[FIND MEMORY](#)

[NEW PRODUCTS](#)

[BRANDED MEMORY](#)

[VALUERAM MEMORY](#)

[SIMMS](#)

[DIMMS](#)

[DDR](#)

[RAMBUS](#)

[COMPACT FLASH](#)

[PCCARD HARD DRIVES](#)

[SECURE DIGITAL](#)

[MULTIMEDIA CARDS](#)

[SMART MEDIA/SSFDC](#)

[ATA DATAFLASH](#)

[MEDIA READERS](#)

[STORAGE PRODUCTS](#)

[\(StorCase\)](#)

[LIVE SALES SUPPORT](#)

store up to 10GB of data

- Protective carrying case for added protection
- Three year warranty
- Free technical support

#### **Package Contents for DataPak:**

- DataPak Unit
- Protective Carrying Case
- User's Manual

#### **Product Position Statement (PPS)**

Due to the growing portable computing market, peripheral manufacturers have been challenged to provide a standard expansion slot interface to make it easier for mobile users to add functionality to their portable systems. Out of this challenge has emerged the Personal Computer Memory Card International Association (PCMCIA). Since its inception, PCMCIA or PC Card has enabled the proliferation of portable peripherals by creating a standardized specification enabling increased peripheral compatibility, availability, and ease of use. Hence, PC Card peripherals such as data/fax modem, memory, networking cards and hard disk drives have enabled portable system users to obtain the same benefits from their portables as they do from their desktops.

One of the most technologically advanced PC Card peripherals available is the PC Card hard disk drive. Most older portable systems are equipped with 2.5" disk drives. Although 2.5" drives are small in size and light in weight, they are also traditionally limited in capacity.

Kingston Technology's DataPak product family addresses the increasing storage needs for the portable-computing environment. DataPak is a Type II compatible PC Card hard disk drive with compact dimensions of .197" thick, 2.126" wide and 3.37" long (5.0mm x 54mm x 85.6mm). DataPak conforms to the PC Card standard and makes storage upgrades fast and easy. With its miniature design and large capacities, DataPak is small enough to fit into a shirt pocket and large enough to store one's whole suite of applications and files or over 350 ultra high-resolution 5MB digital photos. DataPak effectively allows for unlimited storage on PC Card Type II equipped slim lined laptops, coexist with other type II PC Cards with dual port support or professional digital cameras.

Kingston makes these benefits affordable to the average consumer, combining high performance and quality. DataPak offers the most cost-effective PC Card hard disk drive available today.

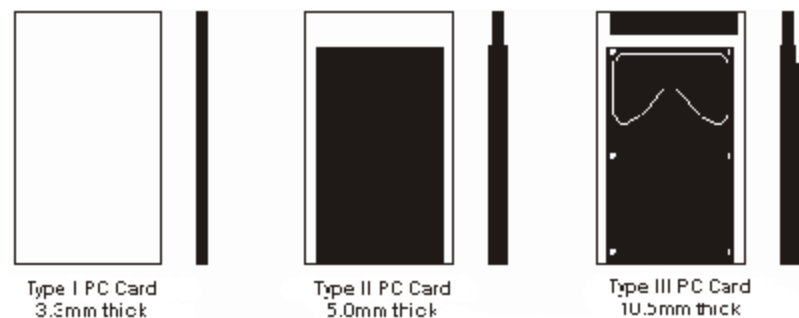
Kingston Technology is a leading manufacturer of enhancement products for computers and digital devices. Kingston's family of portable computing products includes memory, CompactFlash, Smart Media (SSFDC), MMC and ATAFlash. With the addition of DataPak products, Kingston continues to expand its PC Card storage product line. As experts predict the enormous growth in the PC Card market, they'll recognize Kingston as a leader in the industry.

#### **Popular Uses:**

1. Easily increases storage capacity
2. Compressed up to 10GB for easy high speed backup of the entire primary drive
3. Sharing information amongst systems
4. Fast and efficient data backup and recovery
5. Ideal for accessing large amounts of information quickly (when using more than one DataPak)
6. Removable for data security
7. Storing large quantity of ultra high resolution pictures for professional photographers



The PC Card standard defines the physical socket dimensions and pin-outs for the PC Card connectors. There are three types of PC Card slots: Type I, Type II, and Type III. Each card type varies in thickness.



| Features and Benefits: |                                                                                                                                                                                                                                                                                 |
|------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Feature:</b>        | PC Card Type II compliant                                                                                                                                                                                                                                                       |
| <b>Benefit:</b>        | DataPak is fully compatible with most popular notebook personal computers and digital devices that have a PC Card Type II slot. Kingston has tested DataPak in some of the most popular portable systems available today, including Toshiba, Compaq and IBM notebook computers. |
| <b>Feature:</b>        | Up to five gigabytes (5GB) of uncompressed and formatted data storage capacity                                                                                                                                                                                                  |
| <b>Benefit:</b>        | DataPak 5GB is the highest "uncompressed" capacity PC Card compliant hard disk drive available today. Many companies may claim they have higher drive                                                                                                                           |

|                  |                                                                                                                                                                                                                                                                                                                                              |
|------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                  | capacities, but the fine print is that their drives are compressed. DataPak 5GB is compatible with disk compression utilities and can be compressed up to 10GB, if users choose to do so.                                                                                                                                                    |
| <b>Feature:</b>  | 256KB dual ported FIFO data with caching and look-ahead technology                                                                                                                                                                                                                                                                           |
| <b>Benefits:</b> | Up to 120Mb per second transfer rate and accessed at 15 ms seek time. For transfer rate, higher is better and for seek time, lower is faster. DataPak performance is one of the best in the industry.                                                                                                                                        |
| <b>Feature:</b>  | Native digital camera format support                                                                                                                                                                                                                                                                                                         |
| <b>Benefits:</b> | Direct digital camera support without having to reformat the drive. This is a simple drop in for cameras that support type II PC Cards.                                                                                                                                                                                                      |
| <b>Feature:</b>  | Data backup                                                                                                                                                                                                                                                                                                                                  |
| <b>Benefits:</b> | Back up your data using standard DOS, OS/2, Windows 95, Windows 98, Windows NT, Windows 2000, Windows ME or Macintosh O/S commands to protect against data loss.                                                                                                                                                                             |
| <b>Feature:</b>  | Padded protective carrying case                                                                                                                                                                                                                                                                                                              |
| <b>Benefit:</b>  | Adds extra protection to DataPak during transport.                                                                                                                                                                                                                                                                                           |
| <b>Feature:</b>  | Rugged design to absorb high G-Shock                                                                                                                                                                                                                                                                                                         |
| <b>Benefit:</b>  | DataPak can absorb G-shocks of 200G operating and 1000G non-operating. This capability protects DataPak from failing under normal transporting and operating conditions. High durability of the DataPak allows for better protection of investment and lower failure rate than 2.5" hard disk drive.                                         |
| <b>Feature:</b>  | Multi-user system                                                                                                                                                                                                                                                                                                                            |
| <b>Benefit:</b>  | DataPak is ideal for corporations promoting the "pool sharing" technique for portable computer systems. Store all the application software on the shared system's original hard disk drive and save the data files onto DataPak. Users can easily remove DataPak, hence, take their data with them, when they are finished using the system. |
| <b>Feature:</b>  | Optimum power management                                                                                                                                                                                                                                                                                                                     |
| <b>Benefit:</b>  | DataPak draws only 1.7W of battery power during read/write cycles and only 0.5W in idle mode. This allows users to have longer battery life than other PC Card hard disk drives.                                                                                                                                                             |
| <b>Feature:</b>  | 'Plug and play' and dynamic loading compatible                                                                                                                                                                                                                                                                                               |
| <b>Benefit:</b>  | DataPak can be dynamically installed and removed from the system without powering down. To prevent unauthorized access and to protect investment, simply remove DataPak from the system and secure it in a safe place, or just put it in a shirt pocket and take it with you. DataPak effectively allows for unlimited data capacity.        |
| <b>Feature:</b>  | Three year warranty                                                                                                                                                                                                                                                                                                                          |
| <b>Benefit:</b>  | All DataPak hard disk drives come with a three year warranty. DataPak is also backed by Kingston's free technical support and cross-shipping return policy.                                                                                                                                                                                  |

| <b>Technical Specifications:</b> |                                 |
|----------------------------------|---------------------------------|
| Kingston Part Number             | DP-PCM2/5GB<br>DP-PCM2/2GB      |
| Technology                       | 1.8" Winchester hard disk drive |
| Storage Capacity                 | 5GB or 2GB                      |
| Number of Disks                  | 1                               |
| Data Heads                       | 2                               |
| Cylinders (logical)              | 3,900                           |
| Data Heads (logical)             | 16                              |
| Sectors Per Track (logical)      | 63                              |
| Rotational Speed:                |                                 |
| 2GB                              | 4,200 RPM                       |
| 5GB                              | 3,990 RPM                       |
| Seek Times:                      |                                 |
| Track to Track                   | 3 msec                          |
| Average                          | 15 msec                         |
| Maximum                          | 26 msec                         |
| Average Latency                  | 7.14 msec                       |
| Data Transfer Rate:              |                                 |
| Internal Transfer Rate           | 16.25MB/sec (max)               |
| Start time                       | 3 sec                           |
| Buffer size                      | 256KB                           |
|                                  |                                 |
| Voltage                          | 3V+/-5% or 5V+/-5%              |
| SpinUp Current                   | 370 mA (3.3V) or 380 mA (5.0V)  |
| Active Read Current              | 360 mA (3.3V) or 370 mA (5.0V)  |
| Active Write Current             | 390 mA (3.3V) or 400 mA (5.0V)  |
| Idle Current                     | 150 mA (3.3V) or 160 mA (5.0V)  |
| Standby Current                  | 70 mA (3.3V) or 75 mA (5.0V)    |
| Sleep Current                    | 15 mA (3.3V) or 20 mA (5.0V)    |
|                                  |                                 |
| Height                           | 0.20" (5mm)                     |
| Length                           | 3.37" (85.6 mm)                 |
| Width                            | 2.13" (54 mm)                   |
| Weight                           | 1.93oz (55g)                    |
|                                  |                                 |
| Operating Temperature            | 5°C to 55°C (41 °F to 131°F)    |
| Non-operating Temperature        | -20°C to 60°C (-4°F to 140°F)   |
| Relative Humidity                | 5% to 90% non-condensing        |
| Operating Shock                  | 200G                            |
| Non-Operating Shock              | 1000G                           |
|                                  |                                 |

|                                                                         |                                                |
|-------------------------------------------------------------------------|------------------------------------------------|
| MTBF                                                                    | >300,000 hours                                 |
| Data Reliability                                                        | 1 non-recoverable error in $10^{13}$ bits read |
| <b><i>Note: Specifications are subject to change without notice</i></b> |                                                |

#### CE NOTICE

The official CE symbol indicates compliance of this Kingston product to the EMC directive of the European Community.



**Declarations of CE Conformity in accordance with the required standards have been made and are on file at Kingston Technology.**

DataPak<sup>®</sup> is a registered trademark of Kingston Technology Company. All other registered trademarks and trademarks are the property of their respective owners.

[Home](#) [Contact Us](#) [Sitemap](#) [Support](#)

Copyright © 2002, Kingston Technology Company, Inc. All Rights Reserved. [Legal](#)