

Solid State Disks & Disk Drive



FEATURES

- Ultimate in data security
- Solid state disks (SSDs) are used like standard floppy disks, but are faster and more reliable with memory capacity up to 8MB
- Rugged disk construction with steel encasing for electromagnetic shielding and protection against data loss
- Flash memory for highest security data with no battery back-up required; RAM with continuous battery back-up for storing frequently altered information
- Safely allows disk insertion and removal when computer is operating
- Flash or RAM SSDs are supported enabling rapid data transfer
- Drive includes two SSD expansion slots

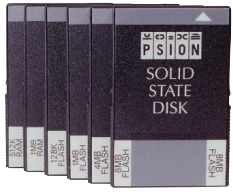
Tough construction offers top protection

KEEP MISSION-CRITICAL DATA SAFE

With hand-held computers so often being used in harsh environments, Psion Solid State Disks (SSDs) provide a new level of data protection. Designed for the Psion Workabout range, SSDs store mission-critical information securely – even in the most extreme environments. Encased in steel for electromagnetic shielding, SSDs have no moving parts, nothing mechanical to crash, wear out or maintain, and are much tougher than conventional disks. By freeing up valuable disk space, hand helds operate more quickly and can run more powerful, memory-heavy programs. For rapid data transfer between hand-held computers and PCs, the SSD Drive is the answer.



Solid State Disks & Disk Drive



Solid State Disks



Solid State Disk Drive

Specifications

PROCESSOR AND MEMORY SSD

- Memory Flash: 128K, 1MB, 4MB, 8MB
- Memory RAM: 512K, 1MB

SSD DRIVE N/A

DATA TRANSFER RATES SSD DRIVE

- Data transfer rate: 1.536 Mbits per second
 - File transfer rates
 - Type 1 Flash SSD: Write to 6Kbytes/sec; Read from 60Kbytes/sec
 - Type 2 Flash SSD: Write to 9Kbytes/sec; Read from 60Kbytes/sec
 - Ram SSD: Write to 60Kbytes/sec; Read from 60Kbytes/sec
- Figures are dependent on the type of PC controlling the SSD drive. These calculations are based on a 66Mhz 486 PC and include the time taken to read or write to the hard disk of the PC

FILING SYSTEM

- MS-DOS filing system

SIZE AND WEIGHT

SSD DRIVE

- Size: 220 x 110 x 45mm/8.7 x 4.3 x 1.8"
- Weight: 767g/1.7lb

SSD

- Size: 64 x 42 x 6mm/2.5 x 1.6 x .2"
- Weight: 25g/.05lb (approx.)

ENVIRONMENTAL

SSD DRIVE

- Operating humidity: 90% non-condensing
- Emissions
 - Europe: EN5022 Class B
 - USA: FCC Part 15 Class B
- Static: Complies to IEC801-2 (8KV)
- RF Immunity: Complies to IEC801-3
- EFT Immunity: Complies to IEC801-4

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A WORD ABOUT PSION TEKLOGIX

Psion Teklogix provides mobile computing solutions for the enterprise. The company's systems, installed in more than 10,000 sites worldwide, provide mobile workers with anytime, anywhere access to enterprise IT systems. The largest operating division of Psion PLC, Psion Teklogix plays a key role in its parent company's vision to create new ways to access mobile data and the mobile internet. Psion Teklogix has 43 sales and support offices and 95 independent distributors throughout the world.

CONNECTIVITY

SSD

- Interface: 6-pin high speed serial, gold plated for quality; staggered pins to ensure ground connects first
- Pin Configuration: Clock, Ground, Backup Voltage, Programming Voltage, Power Data
- Power Consumption
 - In standby: Flash 400uA max, RAM 10uA max
 - Reading (typical): Flash 1mA, RAM 1mA
 - Writing (typical): Flash 12mA average, RAM 1mA

BATTERY BACKUP

SSD

- RAM SSDs only; 3V standard 1620 lithium cell

PC COMPATIBILITY/REQUIREMENTS

- A PC with ISA slots is required for installing the drive. (PCI is not supported.)
- The SSD software is compatible with MS-DOS versions 3.3 to 6.xx. The software utility will run under MS-DOS or in a DOS session in Microsoft Windows 95, Windows 98 and Windows NT.

The software does not run with the IBM OS/2 operating system.