



FlashPAK-MSYS

1-800-3-DATAIO
www.dataio.com

Data I/O

High Speed Networked Programmer for M-Systems DiskOnChip devices

High-speed program and verify

Unlimited device densities

Device Support

- DiskOnChip Millennium Plus
- Mobile DiskOnChip Plus G2
- Mobile DiskOnChip G3
- DiskOnChip P3
- DiskOnChip based MCP

Package Support

- µBGA, TSOP, fBGA, DIP

TaskLink for Windows™

One friendly interface simplifies setup and execution of device programming to assure error-free results.

- Easy device search and selection
- Build programming parameters into a task file for consistent processing
- Program and Verify
- Configurable checksum/security methods
- Works with M-Systems utilities to generate a device image file
- Job statistics and data logging

Capacity

- Four sockets per unit
- Scaleable to 16 sockets

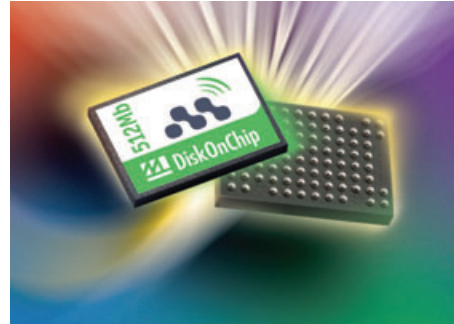
Growing Device Support

- Data I/O and M-Systems co-develop programming support for every new DiskOnChip device
- All programming algorithms downloadable from www.dataio.com for one year from date of purchase

Warranty

- Full one year warranty on programmer hardware
- Data I/O global service commitment provides local support world wide

PROGRAMMER FOR M-SYSTEMS DISKONCHIP™



M-Systems
Flash Disk Pioneers

M-Systems produces leading innovative data storage solutions based on flash memory. The DiskOnChip line is being rapidly adopted in flash-based products such as mobile phones, PDAs, set-top boxes, embedded systems, military/rugged applications, PCs and laptops.

If you are using NAND-based multi-chip packages you know that NAND can drastically reduce product costs, making products more competitive. Data I/O FlashPAK for M-Systems provides a high quality, high-speed programmer designed specifically for the DiskOnChip architecture, allowing you to realize the benefits of NAND and multichip packaging.

FlashPAK-MSYS helps you avoid problems with bad blocks inherent in NAND. And when two or more components of the multichip package require programming, FlashPAK-MSYS provides a flexible solution that addresses multiple programming steps automatically.

INTEGRATES M-SYSTEMS TRUE FFS® FLASH FILE SYSTEM

DiskOnChip devices are based on NAND but have a “thin controller” layer to make integration easier. M-Systems’ True Flash File System (TrueFFS), a patented flash management software, provides flash file management and Performs error correction tasks. Data I/O and M-Systems engineers worked jointly to port the M-Systems TrueFFS to the Data I/O FlashCORE programming platform. The integration of M-Systems TrueFFS® (True Flash File System) into the FlashCORE architecture makes Flash file management and NAND bad block management highly accurate and efficient in the programming process.



OPTIMIZED FOR HIGH-DENSITY DEVICE PROGRAMMING

FlashPAK is a standalone system for high speed, flexible programming of Flash devices in design engineering, prototype and low volume production. FlashPAK, based on Data I/O’s FlashCORE, the world’s most advanced programming architecture, delivers unmatched yield and the highest possible throughput. Operator friendly features such as Auto-start socket actuation, simple job card loading, and intuitive programmer keypad give you complete control and flexibility.



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SPECIFICATIONS

System Components

- Standalone Operation
- PC Compatible
- PC Card Support for Data and Job file transfer
- Gang socket actuation
- Auto-start programming when sockets are actuated
- Low profile, easy access to sockets
- Small footprint
- Lightweight portable design
- Status LEDs indicate ready, programming status, programming or self-test success

PC Requirements

- PC with PCMCIA card drive
- Microsoft® Windows 95, Windows 98, Windows 2000, Windows XP, or Windows NT (May require purchase of additional software drivers or a card drive)
- Hard Disk space: 25 MB minimum for TaskLink files
- CD ROM drive
- Serial or bus mouse
- VGA monitor with 640 x 480 minimum resolution

Language Support (Programmer Display)

- English, German, Spanish

Electrical Requirements

- Operating Voltage: 90 to 240 VAC
- Power Consumption: 100 watts
- Frequency Range: 50 to 60 Hz

Dimensions

- Width: 9-1/4" (23.5 cm)
- Depth: 13-3/8" (34 cm)
- Height: 5-9/16" (15 cm)
- Weight: 6 lbs, 9oz. (3 kg)

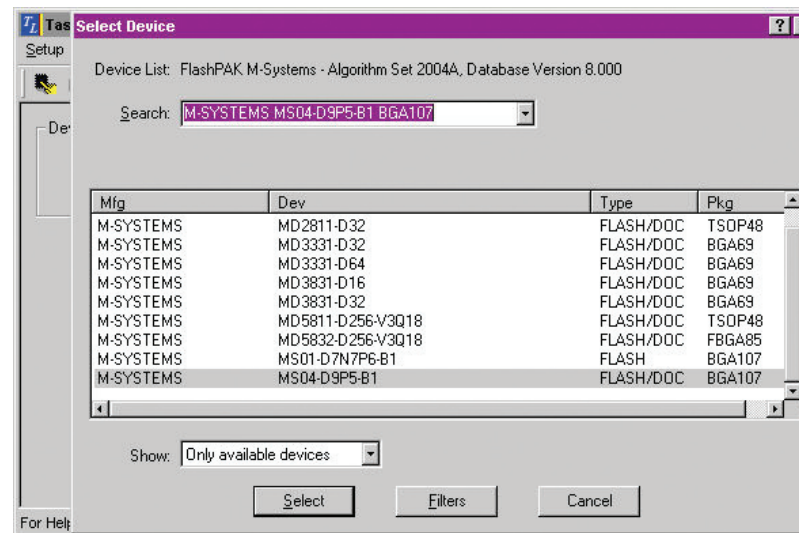
Temperature

- Operating: +32°F to +122°F (0°C to +50°C)
- Transportation: -40°F to +158°F (-4°C to +70°C)
- Storage: +32°F to +158°F (+0°C to +70°C)

PROGRAMMING TASK AND JOB MANAGEMENT

There are two ways to manage FlashPAK jobs:

- Transfer information between TaskLink and FlashPAK by physically moving a PC Card between the two systems.
- Transfer information between TaskLink and FlashPAK over a network connection between the two systems.



UPGRADEABLE DEVICE SUPPORT

If your future projects include the need to program Flash Memory or Microcontroller devices from other vendors, FlashPAK will grow to meet those needs. A software upgrade provides programming support for hundreds more NOR and NAND Flash Memory and Microcontroller devices from all leading manufacturers, including AMD, Atmel, Fujitsu, Hitachi, Intel, Mitsubishi, Motorola, Philips, Renesas, Sharp, ST Microelectronics, Texas Instruments, and many other leading device manufacturers.

SEAMLESS TRANSFER TO MANUFACTURING

The FlashPAK-MSYS runs on FlashCORE, Data I/O's high-speed programming architecture. As production requirements increase, you can increase output with confidence, using the same FlashCORE programming algorithms on Data I/O ProLINE-Roadrunner™ Inline programming system, or PS300™ FlashCORE™ offline production systems.

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Specifications subject to change without notice.

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