

'68'

\$2.50 USA

Australia
Singapore

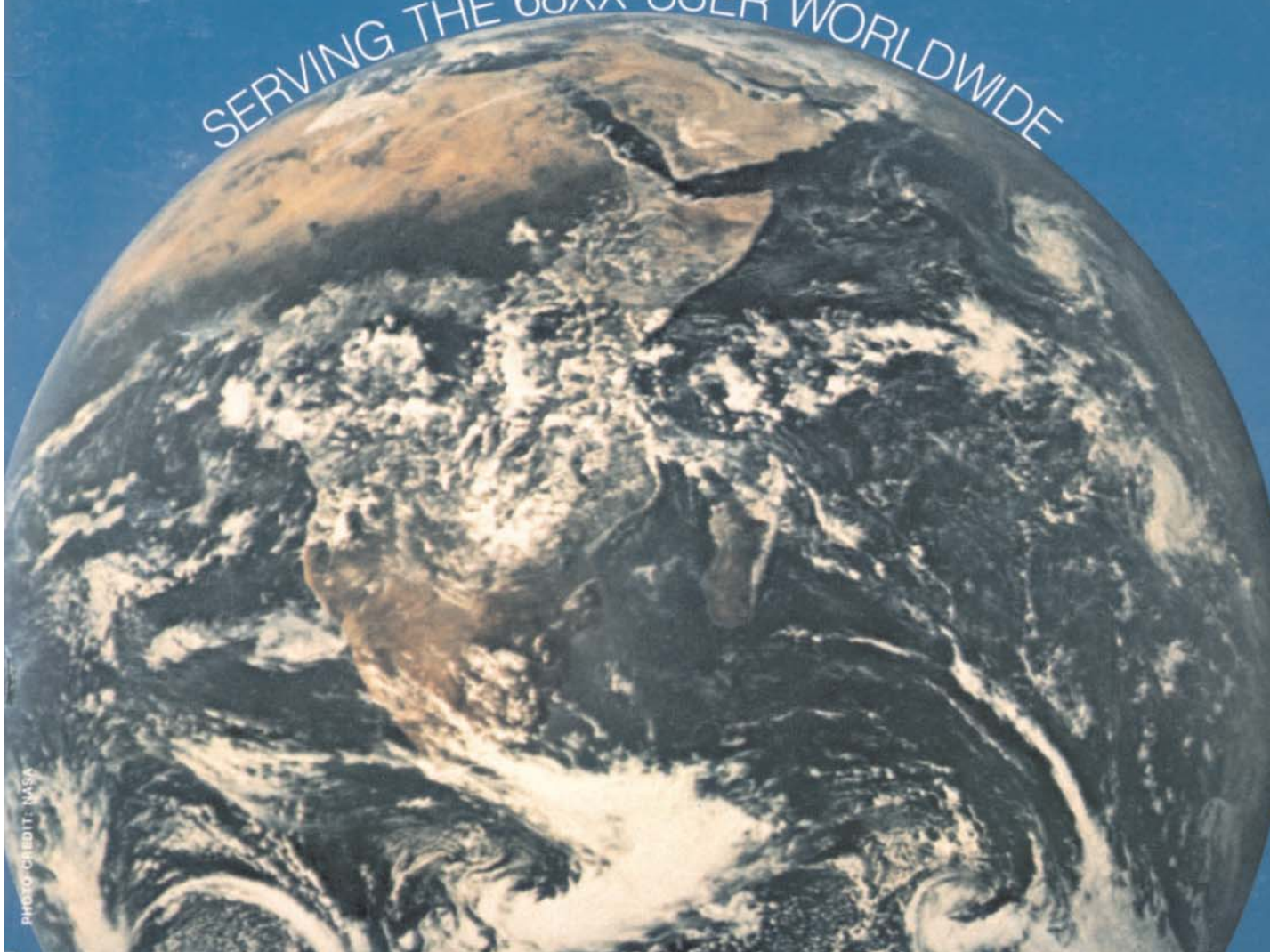
A \$ 4.00
S \$ 8.00
Malaysia

New Zealand NZ \$ 4.00
Hong Kong H \$20.00
M \$ 8.00

MICRO JOURNAL

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"Small Computers Doing Big Things"

SERVING THE 68XX USER WORLDWIDE



GIMIX 2MHZ 6809 PLUS 32K SYSTEM

IDEAL FOR SOFTWARE DEVELOPMENT



- You can order a system to meet your needs or select the one featured below.
- INCLUDES:** 6809 plus CPU #05, Mainframe Cabinet, Mother Board, Power Supply, Fan, 2 Port Serial Card & Cables, 2 Disk Regulator Cards, and 32KB Static Ram. . . **\$2194.89**
- For 50 Hz Export Power Supply, add **\$30.00**
- You can add as much memory as you need, e.g., 24K additional Ram to bring you up to 56K is \$438.14 more.
- 6800 CPU'S AND SYSTEMS ALSO AVAILABLE.

DUAL DRIVE 5 1/4" Disk Systems For Use In GIMIX Mainframes.

- All Systems Include: Disk Controller, Cable, and GIMIX version of TSC'S Flex.
- Power for the drives is provided by the C.V. power supply in the GIMIX Mainframe and 2 of our disk regulator boards. This gives your disk system the same brownout protection and power supply reliability as the rest of the system.
- When ordered with a GIMIX 6809 system, GMXBUG 09 and Boot Prom is also included, or, subject to availability, you may substitute Microware's OS-9 for the GMXBUG/FLEX combination at no charge, or have both, Software Selectable installed on the CPU, for **\$150.00 Additional**.
- Systems using Uniflex or Video based will also be available.
- Due late 1st quarter of 1981, GIMIX DMA Controller for 5" and 8" drives.

SINGLE DENSITY 2 DRIVE SYSTEM USING OUR #48 DISK CONTROLLER

WITH	CAPACITY IN BYTES		
	FORMATTED	UNFORMATTED	PRICE
2-40 Track (48TPI) Single Sided	199,680	250,000	\$ 998.00
2-40 Track (48TPI) Double Sided	399,360	500,000	1198.00
2-80 Track (96TPI) Single Sided	404,480	500,000	1198.00
2-80 Track (96TPI) Double Sided	808,960	1,000,000	1598.00

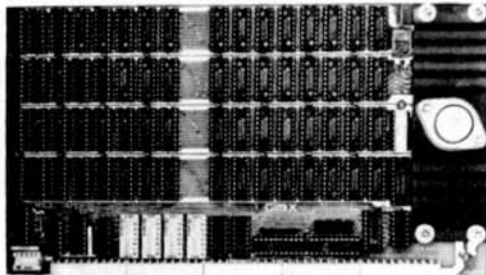
DOUBLE DENSITY 2 DRIVE SYSTEMS USING OUR #28 DISK CONTROLLER

WITH	CAPACITY IN BYTES		
	FORMATTED	UNFORMATTED	PRICE
2-40 Track (48TPI) Single Sided	341,424	500,000	\$1148.00
2-40 Track (48TPI) Double Sided	718,848	1,000,000	1348.00
2-80 Track (96TPI) Single Sided	728,064	1,000,000	1348.00
2-80 Track (96TPI) Double Sided	1,456,128	2,000,000	1748.00

32K STATIC RAM BOARDS

Designed for use with:

- ★ Existing SS50 Systems
- ★ SS50C Extended Address Systems



- Assembled
 - Burned In
 - Tested
- 16K . . . \$328.12**
24K . . . \$438.14
32K . . . \$548.15

16K and 24K Versions are socketed for 32K and require only additional 2114's for expansion.

FEATURES:

- Decoding for 4 Extended Address Lines (allows memory decoding up to 1 megabyte)
- DIP-switch to set extended addressing or disable it
- 4 separate 8K blocks, addressable to any 8K boundary by DIP-switch
- Each 8K block may be individually disabled
- Write protect either of two 16K sections
- Low power consumption — uses 2114L low power RAMS
- Fully Socketed
- Gold Bus Connectors
- Guaranteed 2MHz operation

To Substitute CMOS RAM, add \$100.00 for 16K, \$150.00 for 24K, \$200.00 for 32K.

TO ORDER BY MAIL

SEND CHECK OR MONEY ORDER OR USE YOUR VISA OR MASTER CHARGE. Please allow 3 weeks for personal checks to clear.

U.S. orders add \$5 handling if order is under \$200.00. Foreign orders add \$10 handling if order is under \$200.00.

Foreign orders over \$200.00 will be shipped via Emery Air Freight COLLECT, and we will charge no handling. All orders must be prepaid in U.S. funds. Please note that foreign checks have been taking about 8 weeks for collection so we would advise wiring money, or checks drawn on a bank account in the U.S. Our bank is the Continental Illinois National Bank of Chicago, account #73-32033. Visa or Master Charge also accepted.

GIMIX Inc. reserves the right to change pricing and product specifications at any time without further notice.

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Flex and Uniflex are trademarks of Technical Systems Consultants Inc. OS-9 is a trademark of Microware Inc. See their ads for other GIMIX compatible software.

THE CLASSY CHASSIS \$998.19

- 25 amp (5V) ferro-resonant constant voltage power supply.
- Heavy weight aluminum cabinet with 3 position key switch, fan, and provisions for two 5 1/4" disk drives.
- 6800/6809 Mother Board, fifteen 50 pin and eight DIP-switch addressable 30 pin slots (gold plated pins), fully decoded;
- Baud rate generator on I/O section of Mother Board.

I/O BOARDS

for the 30 PIN BUS:

1 Port Serial	\$ 88.41
(RS 232 or 20MA, current loop)	
2 Port RS 232 Serial	128.43
2 Port Parallel	88.42

for the 50 PIN BUS:

8 Port RS 232 Serial	288.40
8 Port RS 232 Serial	318.46
with on board Baud Rate generator.	
8 Port Parallel	198.45

FACTORY PRIME STATIC RAMS

2114 Super Low Power 200 ns **\$5.90**

ADD \$5.00 HANDLING ON ORDERS UNDER \$200.00

Phone, write, or see your dealer for details and prices on our broad range of Boards and Systems for the SS50/SS50C bus and our AC Power Control Products for all computers.



GIMIX Inc.

The Company that delivers Quality Electronic products since 1975.

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 (312) 927-5510 • TWX 910-221-4055

SEE GHOST AD PAGES 33, 36, 39, 40, & 48



GIMIX 6809 CPU BOARDS for the SS-50 BUS

The GIMIX 6809 PLUS CPU is an extremely versatile board that offers the user a great many features and options which make it an ideal choice for a variety of systems and applications.



- + All FPLA decoded devices can be individually enabled/disabled
- + FPLA decoded devices are available for DMA access
- + Extended addressing for the FPLA decoded devices (can be disabled)
- + Software switching between on and off board system monitors using extended addressing
- + Jumper selectable interrupts for the 6840, 58167, and 9511A/9512
- + Any one of 3 memory management techniques can be used:
 - Straight Bank Select
 - GIMIX Enhanced DAT w/software write protect (optional)
 - SWTPC compatible DAT (required for SBUS-E) (optional)
- + Software write protect in 4K blocks, of the entire address space (when GIMIX enhanced DAT is installed)
- + Jumper selectable processor clock speeds (1, 1.5, 2 MHz.) (2MHz CPU optional)
- + Separate buffers for the 6809 and the on card devices

- + 4 PROM/ROM/RAM sockets for monitors and user software (up to 32K)
- + PROM/ROM/RAM sockets individually jumper selectable for single or multiple supply voltage and 1, 2, 4 or 8K byte devices
- + 1K bytes of scratchpad RAM (optional)
- + 6840 programmable timer with provisions for external clock, gate and output connections
- + Time of Day Clock (58167) w/Battery backup (optional)
- + 9511A or 9512 Arithmetic Processor w/Jumper selectable 2, 3, or 4 MHz clock speeds (optional)
- + FPLA address decoding for the 8 on card devices 4 PROM/ROM/RAM sockets, 58167, 9511A/9512, 6840, 1K scratchpad RAM
- + Software switching of address configurations for the 8 on card devices (allows software switching between on board PROM/ROM/RAM resident system monitors)

- + NMI input can be jumpered to the bus or to an external connector
- + BA & BS jumper selectable for independent or gated operation
- + User defined latch output
- + Gold MOLEX connectors for trouble free contact
- + SS-50 and SS-50C compatible
- + Full DMA capabilities (works with any of the 6809 DMA methods)
- + Full Slow memory capabilities
- + Fully assembled, tested and burned in

NOTE: The GIMIX 6809 CPU BOARDS do not include a baud rate generator. In systems that require a baud rate generator, it must be provided elsewhere. The GIMIX 6809/6809 mainframe includes a baud rate generator on the mother board.

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Phone, write, or see your dealer for details and prices on our broad range of Boards and Systems for the SS50/SS50C bus and our AC Power Control Products for all computers.

6809 PLUS CPU #05 (With Time of Day Clock and Battery Backup Option Installed) \$548.05

The GIMIX 6809 PLUS CPU board has a variety of other options that may be ordered at the time of purchase or added later. It is fully socketed to allow adding the following options at any time.

• 2 MHz 6809	\$ 25.00
GIMIX ENHANCED Dynamic Address Translation	\$ 35.00
SWTPC Compatible DAT (required for SBUS-E)	\$ 15.00
1K NMOS Scratchpad RAM	\$ 11.80
1K CMOS Scratchpad RAM w/ Battery Backup	\$ 45.00
(#05 Board Only)	

ARITHMETIC PROCESSORS

9511A (32 bit math w/transcendentals) 4 MHz	\$312.00
9512 (64 bit math only) 3 MHz	\$265.00

SYSTEM MONITORS FOR GIMIX 6809 CPU BOARDS

GIMIXBUG 09 is available for all versions of the GIMIX 6809 CPU BOARD. GIMIXBUG 09 includes advanced debugging capabilities, as well as utility and memory manipulation routines. It is available in both terminal and video based versions. The terminal based version is 2K long and requires a standard ASCII serial terminal. The video based version is 3K long and requires a GIMIX 80 x 24 VIDEO BOARD and a parallel ASCII keyboard. The terminal version can be upgraded to video based by adding the extra 1K PROM, without modification to the original 2K terminal version.

GIMIXBUG 09 6809 System Monitor (Terminal Based) ..	\$ 98.65
Includes PROMS, Manual and Source Listing.	

Bootstrap PROM	\$ 30.00
(for GIMIX and SWTP 5.1" Disk Systems)	

Video PROM for GIMIXBUG 09 (Includes Bootstrap)	\$ 30.00
GIMIXBUG 09 Manual and Source Listing Only	\$ 38.62

(GIMIXBUG 09 does not require a Dynamic Address Translator. However, it can be used with your choice of either GIMIX or SWTPC DAT. Please specify version desired when ordering.)

(GIMIXBUG 09 requires the 1K Scratchpad option on the CPU board. The price for GIMIXBUG 09 includes the 1K NMOS RAM option when ordered with the CPU)

To Substitute CMOS RAM with the above Add \$ 33.20 (#05 CPU Only)

MICROWARES 059 and SWTPC SBUS-E monitors are also available, contact GIMIX for information and pricing.